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1883

Illustrated

HAND BOOK
FOR THE
FARM & GARDEN
AND

CATALOGUE

OF
GARDEN,
FIELD & FLOWER
SEEDS, &c.

B. K. BLISS & SONS,

34 BARCLAY STREET
New York

Should you not require this Catalogue, we shall feel much obliged if you will place it in the hands of your friends who are likely to require Seeds, Bulbs, Plants, etc., at the same time kindly recommending our Firm to their notice.

WHAT WE GUARANTEE.

That all seeds sold by us shall prove to be as represented, to this extent, that should they prove otherwise, we will replace them, or send other seeds to the same value. But we cannot guarantee the crop any farther than the above offer, as there are so many causes which operate unfavorably in the germination of seeds and maturity of the crop, over which we have no control. Among the causes of failure may be mentioned unfavorable weather, which is one of the most important. The soil may be in proper condition when the seed is planted, but the weather which follows may be cold and wet, which will cause the seed to rot, or it may be hot and dry, which destroys the germ, before it shows itself. The soil may also be unfavorable for the variety of seed planted. The seeds may be and are frequently destroyed by vermin of various kinds. And lastly, changes not unfrequently occur, especially among new hybridized varieties, by which frequent sports are produced which give the planter the idea that his seeds are badly mixed. Such occurrences are beyond the power of man to prevent and for which we cannot be responsible.

That all money shall reach us if sent by either Bank Draft, Money Order, Express or Registered Letter. If unable to procure money orders or currency, remittances may be made in postage stamps (of the highest denominations convenient, not exceeding 30c. stamps), care being taken to prevent their sticking to each other, or to the order. Stamps are preferable to coin, as the latter is apt to break through the envelope.

That all seeds sent out by us shall reach their destination, agreeing to replace any that may be lost in the mails.

We respectfully solicit your orders on the above very favorable conditions. Every possible care and precaution will be used by us to prevent any mistake from occurring, but should such occur, we wish to be advised at once, and they will be cheerfully rectified, as it is our aim and desire that every transaction with us shall be perfectly satisfactory.

We would also request that the above instructions may be fully complied with; also that with each and every order you will give your COMPLETE ADDRESS DISTINCTLY WRITTEN, and give shipping instructions if the order is to go otherwise than by mail.

Do not ask to have small orders sent C. O. D., as the charges for collecting the money, added to the expressage on the goods, often amounts to more than the expense of sending them by mail or express prepaid, and, to some points, more than the value of the seeds ordered. We would therefore request that each order be accompanied by a remittance, as much more satisfactory to all parties.

Thanking our many correspondents for their past favors, both in orders received and for speaking so kindly of us to their friends, and awaiting your further favors, which shall receive our best care and prompt attention.

B. K. BLISS & SONS.

THE FOLLOWING CATALOGUES WILL BE MAILED TO ALL APPLICANTS ON RECEIPT OF PRICES AFFIXED.

Regular customers, whose names are recorded on our books, will be supplied with a copy of each edition, when published, without application.

Bliss's Illustrated Hand-book for the Farm and Garden.—A complete descriptive list of all the most desirable varieties of Garden, Field, and Flower Seeds, Plants, Summer Flowering Bulbs, Implements, and Horticultural Requisites of every description; illustrated by a beautiful colored plate and about 300 engravings; 150 pages; published annually. 10 cents.

Bliss's Illustrated Potato Catalogue.—Contains a list of 500 varieties of Potatoes, embracing several new and very promising varieties, with explicit directions for culture, and much other valuable information respecting this indispensable esculent. 10 cents.

Bliss's Bulb Catalogue (Illustrated).—Published September 1st, containing a choice Collection of DOUBLE AND SINGLE HYACINTHS, arranged in their several colors; TULIPS in many varieties, both double and single; POLYANTHUS NARCISSUS, CROWN IMPERIALS, JONQUILS, SNOW-DROPS, LILIES, etc. 10 cents.

VALUABLE HORTICULTURAL WORKS.

By EDWARD S. RAND, Jr.

Any one of the following books will be mailed, post-paid, at the price quoted, or the six volumes for \$9.00.

Flowers for the Parlor and Garden.—Beautifully illustrated. \$1.75.

Popular Flowers, and How to Cultivate Them.—Thoroughly revised and enlarged. Illustrated. \$1.50.

Garden Flowers: How to Cultivate Them.—New edition, thoroughly revised. Illustrated. \$1.75.

A Treatise on Hardy and Tender Bulbs and Tubers.—With full directions for cultivation. Beautifully illustrated, with two appendixes. 370 pages, 8vo. \$1.75.

Orchids.—A complete manual of Orchid Culture, with hints on construction of Orchid Houses. \$2.00.

Rhododendrons.—Third thousand, newly revised. 8vo. \$1.25.

For Agricultural and other works, see third page of cover.

VEGETABLE SEEDS.

PLEASE Please to bear in mind, that according to the notice given on page 67 of our *Hand-Book* for 1892 (which please see), the prices given for Vegetable Seeds DO NOT INCLUDE POSTAGE ON QUANTITIES OF 1 LB. AND OVER. When ordered to be sent BY MAIL, 16 CENTS PER LB., OR 20 CENTS PER QUART, TO PREPAY POSTAGE. If this be omitted, the order will be reduced to cover the deficiency.

☞ Please be particular to WRITE NAME AND ADDRESS DISTINCTLY AND IN FULL with EACH order. We are continually receiving letters where this is neglected and are obliged to retain the order until we hear again from the writer. Be sure to give Express Office, also name of Express Company, as some orders can be sent cheaper by express. All orders are executed in rotation as received. B. K. B. & S. therefore respectfully invite their patrons to ANTICIPATE THE "PLANNING TIME," by sending their orders early. WE WILL GUARANTEE THE SAFE ARRIVAL OF ALL PACKAGES WHEN ORDERS ARE ACCOMPANIED WITH DRAFT ON NEW YORK, P. O. ORDER OR REGISTERED LETTER. Unknown correspondents will please remit a sufficient amount to cover their order; when this is omitted, goods will be sent only to the amount of their remittance. Should the remittance exceed the amount of goods ordered, the balance will be returned to the purchaser with the goods.

B. K. BLISS & SONS' ORDER SHEET,

34 Barclay Street, New-York.

FLOWER AND VEGETABLE SEEDS.

TAKEN FROM THEIR HAND-BOOK FOR THE FARM AND GARDEN FOR 1883.

DATE,

Enclosed find Post-office Order, Amount, \$.....

do.	do.
do.	Cash,
do.	do.

do. do. Draft, do.

For which send the following List of Seeds, &c. by

Name of Express Co.

FLOWER SEEDS.

[illegible]

SUPPLEMENT.

NOVELTIES, AND OTHER SEEDS OF SPECIAL MERIT, OF RECENT INTRODUCTION,

MANY OF WHICH ARE NOW OFFERED FOR THE FIRST TIME IN THIS COUNTRY.

Novelties for 1883 are designated by *, and the descriptions given are as furnished by their respective growers.



No. 268.—*Acroclinium roseum flore pleno*.

* No. 268. **Acroclinium roseum flore pleno**.—A distinct double variety of this pretty everlasting annual, possessing all the delicate tints and shades of color peculiar to the single variety. For the ornamentation of the flower-garden, for culture in pots, or for the composition of bouquets and wreaths, whether fresh or dried, nothing more beautiful in the way of immortelles has yet been introduced. It cannot fail to become a general favorite, and to be extensively grown, especially for winter indoor-decoration, while for florists' work it is destined to play an important part. The flowers are somewhat larger than the single sort, and the plant is a little taller and more branched. About seventy-five per cent. of double flowers will be obtained from the seed offered. Per pkt., 25 cents.

No. 323. **Ammobium alatum grandiflorum**.—In this novelty we have a great improvement over the old type of this well-known everlasting. The blooms are of a pure white, and about double the size of those of the *Ammobium alatum*. Per pkt., 15 cents.

No. 359. **Aquilegia Veraneana atroviolacea plenissima**.—All lovers of Aquilegias will hail this sterling novelty with delight. The flowers are very double, and of a deep violet, which contrasts charmingly with the variegated foliage of the plant. Per pkt., 15 cents.

* No. 497. **Browallia elata nana fl. cerulea**.—All lovers of Browallia will hail the introduction of this novelty with more than ordinary pleasure. It grows of a uniform height, only about half as high as that of the ordinary blue Browallia, and those who have seen a bed of it in bloom assure us that it has all the appearance of an elegantly shaded blue carpet. Per pkt., 25 cents.

* No. 827. **Convolvulus Minor, Rose Queen**. A charming novelty, with rose-colored flowers, center pure white, fringed with purple violet, melting toward the throat into five broad bands of golden yellow. Per pkt., 15 cents.

* No. 873. **Dahlia, White Perfection**.—Single Dahlias are now so popular that a pure white variety cannot fail to meet with general favor. In this variety we offer the finest single white in cultivation. Per pkt., 25 cents.

No. 874. **Dahlia, Single mixed**.—We have secured a limited quantity of seed, saved from a splendid collection of new, large-flowered varieties, which for variety and brilliancy of color cannot be surpassed. If sown in early Spring they will flower in August. Per pkt., 25 cents.

No. 1006. **Eschscholtzia Rose Cardinal**.—A distinct and lovely variety, with soft, clear, rosy-tinted flowers. It is a hybrid from the now popular *Eschscholtzia Mandarin*, and, like it, is likely to prove an acquisition of considerable value. Per pkt., 15 cents.

No. 1052. **Gaillardia picta Lorenziana**. (New Double Gaillardia. See cut, page 21).—This is an introduction of the greatest importance, and one which will prove to be of lasting merit. As an ornamental plant, and on account of its long duration of bloom and its usefulness for cut-flowers, this variety cannot be too highly recommended. The colors offered (in mixture) comprise sulphur yellow, golden yellow, orange, amaranth, and claret. Per pkt., 25 cents.

*No. 1121. **Godetia, Duchess of Albany.**—A superb new variety, producing a profusion of large, handsome satiny-white flowers, the individual blooms frequently measuring four inches across, and undoubtedly the finest White Godetia ever sent out. The plants when in full bloom resemble miniature Azaleas profusely covered with trusses of flowers which entirely hide the foliage. It is perfectly hardy, and sown in autumn and transplanted in early spring, will give a fine early display. Per pkt., 25 cents.

No. 1213. **Helichrysum Fireball.**—A new and beautiful everlasting, of the richest crimson-maroon color; a bright and pleasing contrast to the ordinary dull chocolate-red everlasting flowers. For church decorations, etc., it will be invaluable. Per pkt., 25 cents.

No. 1329. **Larkspur, Double-Stock flowered, "Lustrous Carmine."**—The new and constant color of this novelty is not approached in any Larkspur hitherto offered, and surpasses in beauty most of the colors which have been obtained up to the present. It is of a fiery or lustrous carmine, and by its judicious employment brilliant effects may be produced. Per pkt., 25 cents.

No. 1344. **Lathyrus latifolius delicata.**—A distinct and beautiful form of the Everlasting Sweet Pea, with pale pink flowers; pleasing and effective. Per pkt., 25 cents.

No. 1488. **Marigold, Compact French, Gold Striped.**—For compact habit, uniformity, and constancy of bloom, this is unequalled. It seldom exceeds six inches in height, and is completely covered with large flowers, regularly striped with chestnut brown, on a bright yellow ground. Per pkt., 25 cents.

No. 1503. **Marvel of Peru, dwarf, pure white.**—When fully developed the plants of this novelty do not exceed nine or ten inches in height, and form a charming, compact little bush, studded with snow-white flowers, and clothed with fine yellowish foliage. Per pkt., 50 cents.

*No. 1547. **Mignonette, Jefferies's Snow-white.**—A sterling novelty is offered in this Mignonette, it being entirely distinct from any other we know of. The spikes are pure white, delicately fragrant, and freely produced around a central stem of great size. For sowing in pots or beds, and for bouquets, it will be found invaluable as a sweet-scented, pure white flower. Per pkt., 25 cents.

*No. 1553. **Mimulus nobilis (M. hybridus tigrinus nanus compactus duplex).**—This is undoubtedly one of the very best novelties of the season, and is distinguishable above all other hybrids of "monkey flower" by its dwarf habit. Above its compact, bright green foliage it bears a perfect cushion of double



No. 1121.—Godetia, Duchess of Albany.

flowers of brilliant colors and striking design. Per pkt., 50 cents.

No. 1555. **Mimulus, "Queen's Prize."**—A most magnificent strain of this easily cultivated and brilliantly colored flower. Many of the flowers measure from two to three inches in diameter, the color comprising exquisite mottled shades of rich purple, crimson, yellow, ruby, etc. Wherever exhibited they have been pronounced superior to anything of the sort seen before. Per pkt., 50 cents.

No. 1582. **Myosotis Alpestris robusta grandiflora.**—The flowers of this new variety are of a sky-blue color, with a clearly defined yellow eye, and of great size. The plant resembles in habit the form of a candelabrum, on which account it is quite distinct from all the older sorts. Per pkt., 25 cents.

No. 1602. **Nasturtium, Tom Thumb—Empress of India.**—This plant is of a dwarf, compact habit, with dark-tinted foliage, and flowers of a deep, brilliant crimson, many degrees deeper and richer than in King of Tom Thumbs, from which variety it has probably originated. Its merits as a bedding plant cannot be too highly spoken of. Per pkt., 15 cents.

*No. 1636. **Nicotiana Affinis.**—A very fine and highly remarkable species, attaining about twenty inches in height, and producing freely, at the extremities of very long tubes, large, pure white flowers. They are in full beauty mornings and evenings, and emit a delicious fragrance; in this respect, indeed, few flowers can vie with them. This novelty is worthy of a place in every collection. Per pkt., 25 cents.

No. 1696. **Pansy, "Lord Beaconsfield."**—The ground color of the flower is purple violet, shading off, in the top petals only, to a whitish hue, a peculiarity which imparts to the whole flower an unusually bright appearance. This highly effective and singularly beautiful Pansy cannot fail to speedily become one of the most popular, both for bedding and bouquet-making. Per pkt., 50 cents.

No. 1791. **Phlox Drummondii hortensiae flora alba.**—This is without doubt the finest white Phlox obtained up to the present time. It is of vigorous habit, and produces in wonderful profusion flowers of unusually large size. Per pkt., 15 cents.

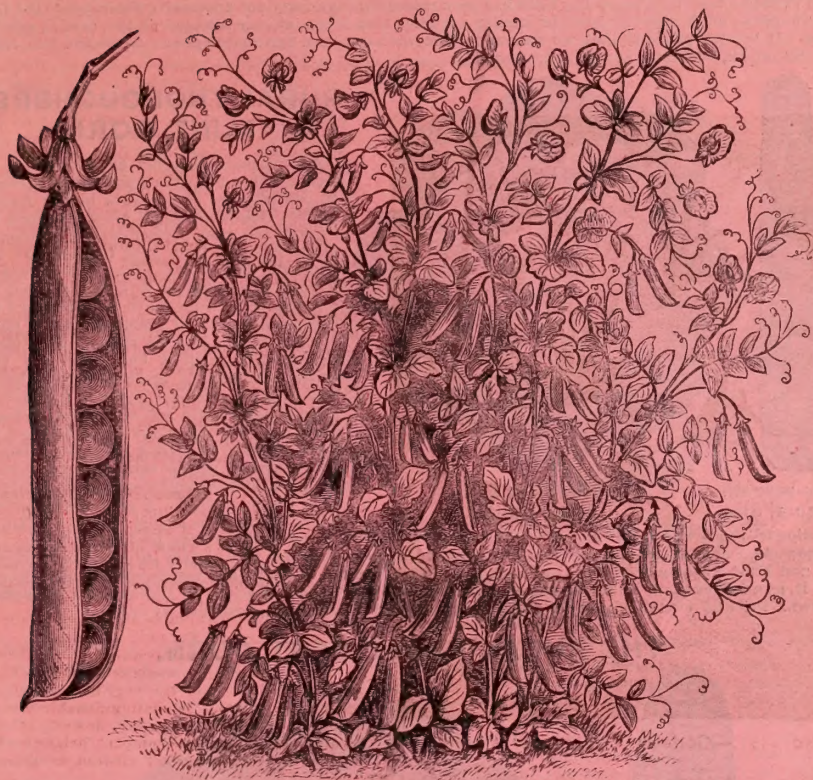
No. 1792. **Phlox Heynholdii globosa alba-rosen.**—This is a perfect gem for pot culture, their particularly free and long flowering nature rendering them specially desirable. It is of a delicate pink color, and is reproduced true from seed. Per pkt., 25 cents.

*No. 1836. **Papaver Daneborg.**—A new single Poppy, with brilliant scarlet flowers, having a large silvery white spot on each petal, forming a white Maltese cross on red ground. Very showy and striking. Per pkt., 25 cents.

NEW GERMAN PANSY.

No. 1681. The splendid colored plate of this celebrated strain of Pansies which appeared in our catalogue of 1882, was by some considered overdrawn, but last season we learned of many instances in which those illustrated were far eclipsed in both size and color. The seed we now offer has been imported direct from the grower of the best collection in Germany, and has been saved from his choicest named varieties. We are justified in expecting even better results from it than have already been obtained. Per packet of 50 seeds, mixed colors, 50 cents.

BLISS'S AMERICAN RACER PEA.



This remarkable Pea, which is now for the first time offered for sale, was produced several years since by Dr. T. H. Hoskins, of Newport, Vt., by crossing *Daniel O'Rourke* with *Carter's First Crop*. It was selected out of a large number of seedlings raised at the same time, as the one which combined the large yield of the former with the moderate growth of vine of the latter, and also because it was better in quality than either. Ever since that time we have watched this variety with much interest, both in our own experimental grounds and in many other localities, where we had them grown for trial, desirous not to offer it for sale before we had positive proof of its permanency and adaptability to various soils and climates. Our expectations have been fully realized, and all those who have grown this variety during the last seasons praise its excellence in high terms.

In quality it is in advance of all other round varieties. The ripe Pea, though a yellow one, is somewhat wrinkled, thus indicating the shrinkage in drying, due to the presence of sugar in the place of starch in the green Pea.

It has been grown in competition with all other early and "extra" early sorts ever since its origination, and not once with any competitor has it failed to come out ahead.

In vine, it is between its two parents, from three to five feet, differing in wet and dry seasons and in strong and weak soils, as all varieties do. When raised for market, on an early soil, it affords about three or four pickings at intervals of two or three days—more in wet than in dry seasons, of course. It can be grown without brushing by sowing in rows one foot apart, and training together, which affords ample support.

In productiveness it is not inferior to any early sort, and certainly is superior to Philadelphia Extra Early in this respect. After all the experience we had with the American Racer Pea, and judging from the many commendatory testimonials received from others, we confidently recommend it as the best and most desirable variety of its class for home use as well as for market.

PRICES—One-fourth pint package, 20 cents; pint, 65 cents; quart, \$1.25; by mail, post-paid. When delivered at our store or sent by express at the expense of the purchaser: One pint, 55 cents; one quart, \$1.00.

GENESEE, N. Y., Aug. 22, 1882.

The Racer had peas large enough to eat at the same time as First and Best and Landreth and Buist's Extra Earlies. The Racer grew three and one-half to five feet, Landreth's the same, the others two and one-half to three and one-half feet.

The great value of this new Pea is its productiveness. I counted on one vine fifty-eight pods, all well filled; have seen some pods that contained nine peas. I have two and one-half quarts of fully matured peas from that very small trial packet.

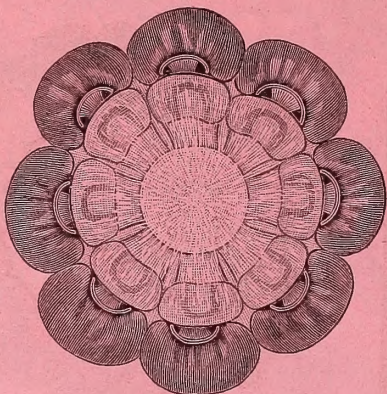
FRED. B. BAILEY.

THE RURAL PREMIUM CORN.

Most readers of agricultural journals are aware of the valuable experiments carried on at the *Farm of The Rural New Yorker*, with the different farm crops. Corn has received special attention, and of the two varieties described below the Flint has been raised through forty-one successive years, while the Dent was found so much superior to other similar varieties that it was at once selected as the best in cultivation. It is with pleasure that we announce that we have been fortunate enough to secure the entire original stock, which we now offer first for sale.



One-seventh
Natural Size.

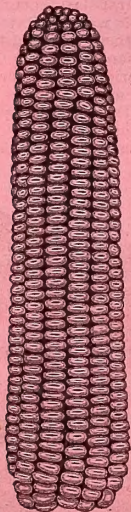


Section of Ear.
Natural Size.

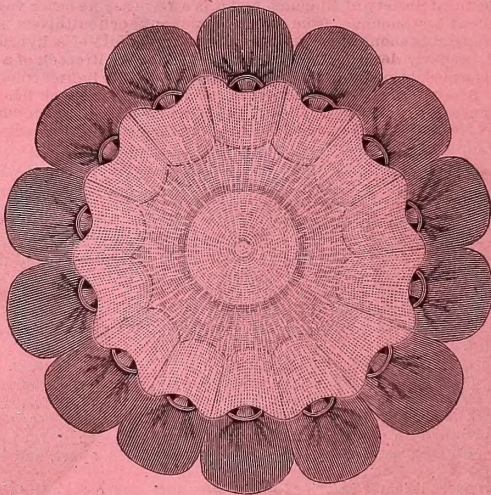
RURAL THOROUGHbred FLINT CORN.

A remarkably distinct and wonderful variety. It is a Flint Corn, and has been raised, as stated, over forty years in the *Rural's* family, *isolated* from all other varieties, the longest and most perfect ears only being selected for seed from year to year. It produces the longest ears of any known variety. Ears of fifteen inches in length are not uncommon, and some have even reached the enormous length of *seventeen inches*, specimens of which may be shown. It is eight-rowed, of a peculiar buff color, cob very small, and kernels large and very broad. The stalks are slender, eight to nine feet in height, and closely set with large, remarkably *broad*, leaves. Each seed produces upward of twelve strong suckers,—many of which mature perfect ears,—forming a regular *bush*, so that they cannot be distinguished from the main stalk. Owing to this spreading habit, only one kernel should be planted or allowed to grow in a hill, and the hills themselves should *never be closer than four feet each way*. Its large yield, length of ear, and excellent quality make it a most desirable field variety throughout the Northern and Middle States while its great suckering habit, breadth of blade, and smallness of stalk will render it, as a fodder plant or for ensilage purposes, the most valuable variety of Indian Corn at present known. Price 25 cents per packet; 60 cents per pint; \$1.00 per quart, post-paid, by mail.

THE RURAL HEAVY DENT CORN.



One-fourth Natural Size.



Section of Ear. Natural Size.

This variety is the result of careful selection continued during a quarter of a century. The originator says: "About twenty-five years ago I picked out a few of the best ears, the seed of which was planted the next year by itself, and produced a better crop than the other portion of the field. The ears now are double the size they were then." All those who grew it last year are unanimous in their praises, and declare it

"THE BEST DENT CORN GROWN."

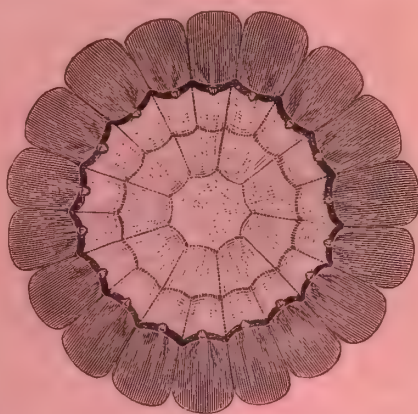
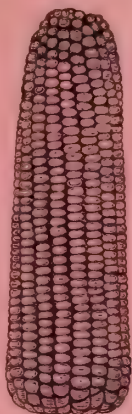
The kernels are white, large, broad, and heavy, and inclined to shrink less than those of other kinds of Dent Corn, while the shape of the ears and of the kernels is very constant. It is generally a single-eared Corn, though often two good ears grow on a stalk, and on the suckers also, one seed having produced ten ears which weighed five pounds, shelled four pounds, and contained 3670 grains. The yield of this variety is enormous, one hundred bushels of shelled Corn being an average yield under good cultivation, while one hundred and fifty bushels per acre, and over, have been produced in favorable seasons. We are confident that no variety more desirable for the Southern and South-western States has ever been introduced. Price 25 cents per packet; 60 cents per pint; \$1.00 per quart, post-paid, by mail.

QUEEN OF THE PRAIRIE CORN.

Among the several new kinds of Corn introduced within the last few years, none have gained as general and deserved popularity as the **Queen of the Prairie**. Being a Yellow Dent variety, its early maturity, combined with very large yield, is something astonishing. No other Dent Corn has ever been grown successfully as far north as this; planted on the 4th of July, it has fully matured its crop before frost, and it has even been planted as a second crop, after the Wheat harvest, and yielded a full and well-ripened crop.

We cannot give a better description than to quote what one of our correspondents says: "I planted

about five acres of this Corn, near the middle of June. The ground was too low, wet, and miry to be accessible by horse and admit of plowing; so I dug, with a hoe, holes varying from three to five feet apart, dropped in each three grains of Corn, and covered them up. Nothing more was done, no cultivation whatever given, and the yield was 750 bushels of Corn. I also planted six rows on upland alongside of our Field Corn, and under the same conditions and cultivation it yielded two bushels more. I do not hesitate to state that this Corn has no equal, and has these advantages, not possessed by any other: *First*. It will grow on poorer soil. *Second*. It makes no suckers. *Third*. It grows quicker and matures sooner.



One-fourth Natural Size. Section of Ear—Natural Size.

Fourth. It shells two bushels of grain from three bushels of ears." Selected ears, 25 cents; 3 lbs., shelled, \$1.00, by mail, post-paid; per peck, \$1.25; bush., \$3.50.

A NEW VEGETABLE.

(Raised by Mr. Richard Gilbert, Gardener to the Marquis of Exeter, Burghley, Stamford, England.)

Chou DeBurghley.—This remarkable new vegetable was awarded a first-class certificate by the Royal Horticultural Society of England, and it is safe to say no other vegetable was ever introduced with so many excellent testimonials, from so many eminent horticulturists and others well qualified to judge what a good vegetable should be. Evidently it is the result of a hybridization between a Cabbage and Broccoli, and, properly described, may be called a Cabbage Broccoli of a superior and distinct type. The heads are well formed, of medium size, solid, and of a decidedly lighter color than most Cabbages, and contain a diminutive Broccoli as a sort of kernel in each. Every one who has had the opportunity of tasting it cooked pronounces it of a distinct, delicate, and delicious flavor. In England it has withstood several severe winters, and is considered a valuable acquisition to the list of winter vegetables. Per pkt., 25 cents.



Scaly-Bark Watermelon.



Livingston's Favorite Tomato.

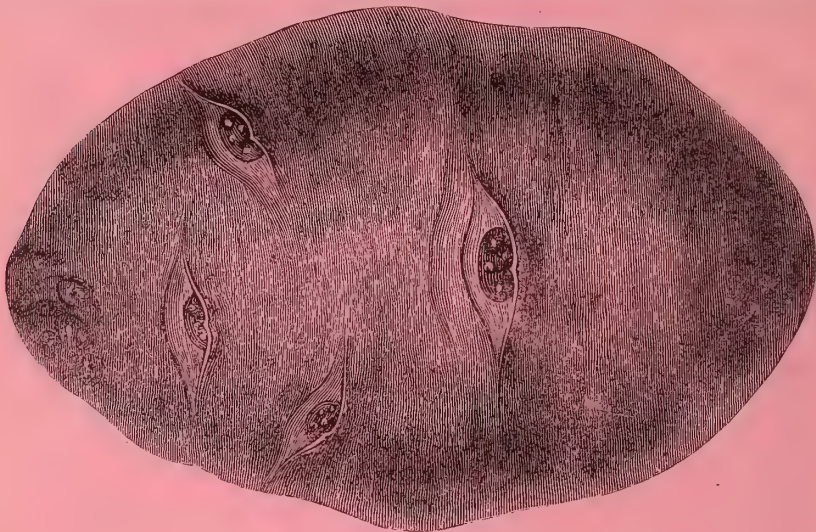
A very large, oblong variety, with a dark, tough rind, which has a peculiar scaly appearance; crimson flesh, very solid, remarkably sweet and free from fiber. Per pkt., 15 cents; oz., 50; $\frac{1}{4}$ lb., \$1.75; lb., \$5.00.

This is said to be the *largest perfect-shaped* Tomato in cultivation; ripens evenly and early, holding its size to the end of the season. Very prolific, good flavor, few seeds, flesh solid; bears shipping long distances. Per pkt., 25 cents; 5 packets for \$1.00.

Maxie.—This new vegetable is from Brazil, where it is extensively used, either raw, as a salad, or cooked. It may be fried in butter, like the egg-plant. It is also used boiled with meat or fish, and in soups. It may also be sliced and eaten with vinegar, like the cucumber. For pickles, when about half or two-thirds grown, it will be found particularly desirable. It should be planted on light, warm soil, and treated precisely like melons or cucumbers. Per pkt., 25 cents; 5 pkts., \$1.00.

NEW VARIETIES OF POTATOES.

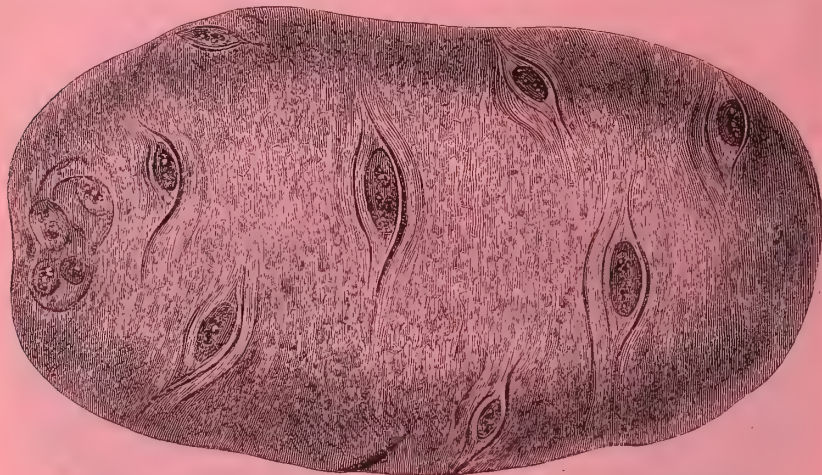
For cultural directions and a more complete list of Potatoes, with full description of each variety, see our Illustrated Potato Catalogue, which also contains much valuable information upon their culture. Price, 10 cents. See also pages 91 and 92 of this catalogue for fuller description of the new varieties.



ROSY MORN.

In appearance this variety closely resembles Early Rose, but in quality is decidedly superior, while it yields nearly double as much as Early Rose, planted side by side, and under the same conditions.

Price, \$1.00 per pound; three pounds, \$2.50, by mail, post-paid. By express or freight, at the expense of the purchaser, half peck, \$3.00; one peck, \$5.00; half bushel, \$7.00; one bushel, \$12.00; bbl., \$25.00.



RUBICUND.

This is a splendid, medium late variety, and in quality ranks with the best, while in hardness and vigorous growth of vines as well as in productiveness it has few if any equals. As a reliable winter keeping Potato it is not excelled by any other kinds.

Price, \$1.00 per pound; three pounds, \$2.50, by mail, post-paid. By express or freight, at the expense of the purchaser, half peck, \$3.00; one peck, \$5.00; half bushel, \$7.00; one bushel, \$12.00; bbl., \$25.00.

Tyrian Purple.—The skin is a dark purplish red; flesh white and firm, and, when cooked, floury and of good flavor. It is an excellent keeper, and, on account of its many merits, we believe every Potato cultivator would do well to give it a trial. Price, 50 cents per pound; three pounds, \$1.25, by mail, post-paid. By express or freight, at expense of purchaser, one peck, \$1.50; one bushel, \$5.00.

Hammond's Slug Shot. *A Guaranteed Exterminator of the Potato-Beetle.*—It is an impalpable powder, destructive to the Potato-Bugs in the various stages of growth; at the same time the ill effects of **Paris Green**, or danger from having it around in quantities, are obviated. It has been used with success in destroying Caterpillars, etc., on Pear and Apple Trees, Egg-Plants, etc.

Bbl. of 200 lbs., \$7.50. Packages of 5 lbs., 30 cts.; 10 lbs., 50; 15 lbs., 75. Send for descriptive circular.

\$250 IN PREMIUMS.

FOR PRINGLE'S AMERICAN TRIUMPH OATS,

PRINGLE'S ADAMANT WHEAT,

PRINGLE'S GREEN MOUNTAIN WHEAT.

For full description of these Cereals see page 107 of this Catalogue.

In order to induce farmers and others interested in the cultivation of grain to give these varieties a thorough and universal trial, we offer \$210 in premiums to those who produce the *largest quantity of seed* from one packet of the seed, and for the *twenty best and heaviest heads* of both the varieties of Wheat and Oats purchased of us. Those ordering will please state, with their order, that they desire to compete for the Premiums.

For the largest quantity of American Triumph Oats grown from one packet of the seed.....	\$20.00
For the second largest quantity.....	15.00
For the third largest quantity.....	10.00
For the fourth largest quantity.....	5.00
For the largest quantity of Adamant Wheat grown from 1 packet of seed.....	20.00
For the second largest quantity.....	15.00
For the third largest quantity.....	10.00
For the fourth largest quantity.....	5.00
For the largest quantity of Green Mountain Wheat grown from 1 packet of seed.....	20.00
For the second largest quantity.....	15.00
For the third largest quantity.....	10.00
For the fourth largest quantity.....	5.00

We also offer additional premiums of \$60.00, \$20.00 each, for the best 20 heads of each of the above varieties, as follows:

For the best and heaviest 20 heads of American Triumph Oats.....	\$8.00
For the second best and heaviest 20 heads.....	6.00
For the third best 20 heads.....	4.00
For the fourth best 20 heads.....	2.00
For the best 20 heads of Adamant Wheat.....	8.00
For the second best 20 heads.....	6.00
For the third best 20 heads.....	4.00
For the fourth best 20 heads.....	2.00
For the best 20 heads of Green Mountain Wheat.....	8.00
For the second best 20 heads.....	6.00
For the third best 20 heads.....	4.00
For the fourth best 20 heads.....	2.00

Competitors for the prizes will be required to give the date on which they gave their order, with a statement of the weight of their crops, which must be witnessed and sworn to before a Justice of the Peace, Notary, or any one competent to administer the oath, and sent to our address before the First of November, 1883. The prizes will be paid in December, 1883.

Competitors for the premiums for the best heads of oats and wheat must deliver them at our office, 34 Barclay street, New-York (all charges prepaid), previous to the 10th of September, 1883. The straw must be cut not less than eight inches in length, exclusive of the heads, and carefully packed to prevent injury in the transportation. They can be sent by mail or express, *prepaid*, at the option of the grower. If sent by mail, they should be boxed in a light wooden or a stiff pasteboard box, the cover of which must be secured by strong twine, and not nailed or fastened in any way to prevent the examination of the parcels at the New-York post-office. No writing of any kind must be inclosed in the packages, as in that case letter postage would be charged on the whole package, and would not be taken from the office. The name of the sender must be written on the *outside* of the package, with our address. Notify us by letter when the wheat is sent.

NEW MAMMOTH PUMPKIN—JUMBO.

This is undoubtedly the largest variety grown, often attaining the weight of two hundred pounds. Per pkt., 10 cents; oz., 20; $\frac{1}{4}$ lb., 60; lb., \$2.00. Every purchaser is entitled to compete for

FORTY DOLLARS IN PREMIUMS,

to be awarded as follows: \$25.00 to the grower of the largest Jumbo Pumpkin; \$10.00 to the grower of the second largest; and \$5.00 to the grower of the third largest. Specimens for competition to be delivered at our store, free of expense to us, previous to October 15, 1883, and on November 1st the cash will be forwarded to those entitled to it.

Radish, Scarlet Turnip, White Tipped.—A very early variety; color, bright scarlet, tipped with white, presenting a beautiful appearance upon the table; an excellent market variety; fine for forcing. Per pkt., 10 cents; ounce, 20; $\frac{1}{4}$ lb., 40; 1 lb., \$1.00.

Endive, Superb New Fringed.—This is said to be the most beautiful and perfect Endive yet introduced, and, besides being particularly valuable for culinary purposes, is of distinct color and highly ornamental. It is superior in fineness of fimbriation to the best Curled Endives in cultivation, and must speedily replace the older and coarser kinds. Per pkt., 25 cents.

Turnip, Jersey Lily.—Unquestionably the most perfect in outline, and the earliest White Turnip grown; of exquisite flavor; in shape as perfect as an Orange; with a single tap-root and very distinct, small top. Per half-ounce packet, 15 cents.



New Cactus Dahlia—Juarezii.



Single Dahlia—Paragon.

(These cuts represent the flowers half the natural size.)

NEW SINGLE DAHLIAS.

Coccinea Ardens.—Deepest brilliant scarlet. 30 cents each.

Imperial Prince.—Flowers large; petals flat and plaited; color rich, deep purple, shaded crimson. An early flowering variety. 75 cents each.

Juarezii.—A beautiful variety, distinct in form, and of a most exquisitely shaded purple-scarlet-crimson color; the flowers are on long foot-stalks, freely produced, and lasting well after being cut; a really fine novelty. 35 cents each.

Lord Lyndhurst.—Flowers large and flat; color brilliant pure scarlet; habit dwarf. An early flowering variety. 50 cents each.

Lutea.—Pure yellow, with dark orange center; very prolific in bloom. 30 cents each.

Paragon.—Quite distinct, and must be seen to be admired; darkest velvety maroon, with shadings of bright scarlet around each petal; small yellow disk. 25 cents each.

Queen of Whites.—This is the great sensational flower of last year in English fetes and entertainments; the flowers are of the purest white, from 3 to 4 inches in diameter. \$1.00 each.

The set of seven varieties will be sent for \$3.00.

NEW GERANIUMS FOR 1883.

The favor in which our new Geraniums have been received the past two years warrants our introduction of another new set. These will be found of superior merit, and are valuable additions to this already popular class of plants.

Hamlet.—Very rich, deep crimson, with very large, finely formed flowers and trusses.

Ingo.—Flowers very delicate flesh-pink, with markings of white in upper petals back of flowers; silvery white; habit neat and compact.

King Lear.—A magnificent flower; rich, pure scarlet; of the finest form; trusses and flowers very large.

Mercutio.—Very large trusses; fine, bold habit; with rich, bronzy flesh, salmon flowers.

Othello.—Flowers rich plum crimson, with deep purple shades a fine, bold, distinct variety.

Romeo.—Habit neat and compact; flowers and trusses of good size; of the purest white.

Shylock.—A rich, deep, full purple, with large flowers and trusses; habit of plant compact and very free in growth.

Price, each 50 cents; or the entire set of seven varieties, \$3.00.

NEW CHRYSANTHEMUMS.

Crimson King.—A new, large-flowering Chinese variety; beautiful and distinct; of the richest deep crimson; flowers large; neat and compact habit. Received a first-class certificate from the Royal Horticultural Society of London, in November, 1882. \$1.00 each.

Fimbriata.—An early-flowering Pompon variety, with flowers much fringed; color, rose, shading to pure white. 35 cents each.

Golden Madame Marthe.—A very beautiful golden yellow Pompon variety; flowering early in large heads. 35 cents each.

La Petite Marie.—The dwarfest and earliest pure white Pompon variety; growing only a few inches in height. 35 cents each.

Madame Marthe.—Flowers of good size; of the purest white, resembling the small white Dahlia "Guiding Star." A valuable acquisition. 35 cents each.





1. ROSALIND.
2. VIOLA.
3. JULIET.
4. PORTIA.
5. CORDELLA.

6. BEATRICE.
7. IMOGEN.
8. CYMBELINE.
9. MIRANDA.

NEW PERPETUAL FLOWERING CARNATIONS
 FROM B.K. BLISS & SON'S GARDENERS HAND BOOK.

OUR COLORED PLATE.

THE SHAKESPEAREAN COLLECTION OF

NEW EVER-BLOOMING CARNATIONS.

We have great pleasure in offering this entirely new and distinct collection of this popular flower, and wish to draw particular attention to their brilliant colors, distinct forms, and their constant and ever-blooming habits. The illustration does not in the least exaggerate or flatter them.

ROSALIND.—A lovely shade of pure rose-pink; flowers very large; deliciously scented.

VIOLA.—Flowers of medium size, ground color rich lemon-yellow, faintly spotted and striped with brilliant carmine, some flowers coming nearly pure yellow.

JULIET.—Flowers large, ground color white, heavily lined with narrow stripes, some of which are of a delicate pink, others of the deepest crimson.

PORTIA.—Color the most intense pure scarlet; flowers very large, of good substance, and finely formed; the most brilliant color seen in the Carnation.

CORDELIA.—Flowers large, much serrated, of a rich, deep, velvety crimson; one of the most brilliant.

BEATRICE.—Neat and compact in habit; flowers of the purest white, deliciously scented.

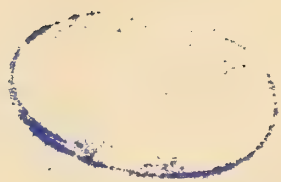
IMOGEN.—Ground color buff-yellow, lined with deeper yellow, striped with lines of dark and light red; a compact, neat flower.

CYMBELINE.—Ground color of flowers rich orange-yellow, flaked with brilliant red; of good size, and very free flowering.

MIRANDA.—Flowers very large, much serrated, of a rich, deep maroon, with royal purple shadings; a most distinct variety.

Price, 75 cents each; the set of 9 varieties for \$5.00. Orders will be booked in strict rotation for plants to be supplied on first of March. Orders will be booked only to the amount of stock on hand, which is limited.

Not the least important feature of this splendid strain of Carnations is, that if sown early in Spring they will flower freely the first season. We have been able to save a limited quantity of seed from our own unrivalled collection, which, if treated according to directions, cannot fail to give perfect satisfaction. It has all been carefully hybridized by hand, and, judging by results obtained by us, will produce not less than seventy-five per cent. of double flowers. Packets (containing 20 seeds, mixed colors), with complete directions for culture, 50 cents.



ESTABLISHED 1845.

B. K. BLISS & SONS,

Illustrated Hand-Book

FOR

THE FARM AND GARDEN

FOR

1883

CONTAINING A COMPLETE LIST OF THE BEST KNOWN AND MOST
POPULAR VARIETIES OF

GARDEN, FIELD & FLOWER SEEDS,

WITH DIRECTIONS FOR THEIR CULTURE.

ALSO, A LARGE ASSORTMENT OF

PLANTS, GLADIOLUS, LILIES, HORTICULTURAL REQUISITES, &c.



PUBLISHED ANNUALLY BY

B. K. BLISS & SONS,

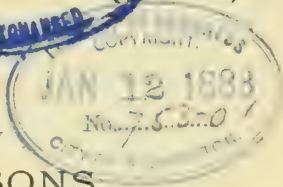
IMPORTERS AND GROWERS OF

Garden, Field and Flower Seeds, Dutch Bulbous Roots,

SUMMER FLOWERING BULBS,

And Dealers in Agricultural and Horticultural Books, Implements, Fertilizers,
and General Garden Requisites,

34 BARCLAY STREET, NEW-YORK.



TO OUR PATRONS.

PERHAPS the most pleasing duty that the annual re-issue of our Hand-book enables us to perform is that of thanking our many friends for the continued confidence which we have for so many years enjoyed. To establish a relationship such as now exists between us and many thousands of our fellow-citizens, and to have maintained the same for over a quarter of a century, is a labor the consummation of which may well give cause for satisfaction.

The laudatory remarks that reach us with pleasing frequency tell us with no uncertain sound that the arrival of our annual is looked forward to in many homes with a genuine pleasure. Cognizant of this wide-spread appreciation we have endeavored to have each succeeding issue surpass its predecessor,—in points of merit,—and the edition that we now have the pleasure of submitting for your approval is the best evidence that our efforts in this direction have not been relaxed.

Our **HAND-BOOK FOR THE FARM AND GARDEN FOR 1883** will be found unsurpassed as a guide to those interested in anything pertaining to Horticulture or kindred pursuits, while in other respects it is as perfect as the best artistic and mechanical skill can make it.

The greater part of this edition has been entirely re-written, and scrupulous care has been exercised to offer only such varieties as are really distinct and worthy of cultivation. Many painstaking experiments have been made to enable us to do this, and we feel confident that only such sorts as will with proper treatment give satisfactory results are now offered.

Novelties in Horticulture, as in everything else, are abundant, but those of real merit are rare. Every season it has been our good fortune to secure one or more valuable and distinct specialties, and this year we are happy to say will be found no exception to the rule. **Bliss's American Racer Pea** will prove a worthy successor to the famous Bliss's American Wonder Pea, which has everywhere been pronounced the best and earliest wrinkled Pea extant. In no sense do these two Peas rival each other—as the Racer among smooth Peas will take the same rank as the Wonder does among wrinkled. **American Triumph Oats** and **Pringle's New Spring Wheat** will prove far in advance of many, if not all, of the varieties now grown, and we feel sure an improvement in these will give pleasure to our many farming friends. We have been fortunate in securing the entire stock of the already famous new varieties of Corn,—**The Rural Thoroughbred Flint** and **The Rural Heavy Dent**,—and feel confident they are so much superior to other similar varieties generally cultivated that they will both speedily take rank as standard sorts. In new potatoes we offer **Rosy Morn**, **Rubicund**, and others, for which see page 91. For description of all novelties we would refer to our colored supplement, in this Catalogue, and to our supplementary list of novelties, which is generally issued in February, and sent out with all goods ordered after that date, and free to all applicants who apply for it.

We wish to direct the special attention of our readers to our splendid **New Seedling Perpetual Flowering Carnations**, of which the beautiful colored frontispiece gives a life-like representation. It speaks for itself, and we must admit that the artist has done his duty truthfully and well, but doubt not that those who try will, as was the case with the popular German Pansy, produce in nature specimen flowers that far excel in size and beauty the blooms which have been so faithfully reproduced in the plate.

We must not omit a word of thanks for the many unsolicited testimonials as to the satisfactory quality of our seeds, received from every section of the country during the past season. Our thanks are also specially due, and cordially offered to those who have kindly recommended us to their friends. The attentions offered have been so general, that individual acknowledgment was practically impossible, but we can assure you that gratitude for the attention was none the less.

A careful perusal of this Hand-book cannot fail to be of great benefit to the planter, the farmer, the market gardener, and every person who plants and loves flowers, as it will suggest the most desirable varieties for cultivation, give quantity of seed required, instructions for growing and caring for crops, etc.

To those especially interested in Potatoes, we would say that we publish in February a special Catalogue on Potatoes, forty pages, profusely illustrated, sent free on application to former patrons or intending purchasers, and to others on receipt of 10 cents.

With thanks for past favors, and trusting that the agreeable relations with our old friends and patrons may continue for many years to come, and hoping that those who now entrust us with their favors for the first time will never find cause for regret,

We remain, very respectfully yours,

W. K. Bliss & Son

A FEW REMARKS TO PURCHASERS.

AS the seed season continues only for a few months in the year, there is, of course, a great pressure of business just at the *sowing season*. Except in cases of extreme urgency, all orders will be executed in strict rotation as received. We would, therefore, feel greatly obliged if our customers will kindly forward their orders as soon as possible after the receipt of this Catalogue. This would greatly facilitate operations, and ensure greater attention. We use every possible precaution to prevent any error being committed in the execution and transmission of orders, and in the weights and measures. Should any deficiency occur, either by press of business or accident, we earnestly desire our customers to inform us of the fact. Such irregularities rarely occur, but it is almost impossible to escape a few, in the hurry and haste of a busy seed season. We crave indulgence should there be a brief delay, and at the same time will do our utmost to prevent it.

SEEDS, BULBS, ROOTS, PLANTS, Etc., BY MAIL.

Post-paid to all parts of the United States. The freight on all parcels by Express to be paid by the purchaser, unless by special agreement. The cost of collection and return charges will be added to bills sent C. O. D.

THE postage law authorizes the sending of BULBS, FLOWER ROOTS, CUTTINGS, and SEEDS, and various ARTICLES of MERCHANDISE, at the rate of *one cent per ounce*, package *not to exceed four pounds weight*. Under this law we are enabled to forward many other articles besides Seeds and Bulbs that are enumerated in our Catalogue by mail instead of express, by which a great saving can be effected to those of our patrons who reside at a distance. Articles exceeding four pounds in weight must be sent by express as heretofore.

WE WOULD PARTICULARLY REQUEST OUR PATRONS TO STATE WHETHER IT WILL BE CONVENIENT FOR THEM TO RECEIVE THEIR ORDERS **by express, and to give their nearest express office**. Upon either of the following lines, by a special agreement with the Adams, American, National, and the United States Express Companies, we are enabled, **BY PREPAYING CHARGES**, to send packages to all points on their routes at reduced rates. It is often more convenient for us to send by express, prepaying charges, than to send by mail in several packages. Customers will please not understand by this that we agree to pay **ALL** express charges on any articles they may order, only that we reserve the right to send by express (prepaying charges) goods offered free by mail, provided, of course, it is convenient for them to receive them by this method.

In giving orders please state explicitly by what conveyance they are to be forwarded, and if by express or railroad, the names of the parties to whose care they wish them consigned at the various places of transhipment. When no particular route is designated, we forward according to the best of our judgment. **Orders from unknown correspondents, to insure attention, must invariably be accompanied with cash or a satisfactory reference.**

ALL ORDERS MUST BE ACCOMPANIED BY A REMITTANCE.

IN making a remittance, purchasers will please be particular and send a sufficient amount to cover their orders. When only a part of the amount is remitted, goods will be sent **only to the amount of the remittance**. Should the remittance exceed the amount of the goods sent, **the balance will be returned to the purchaser with the goods**. We have been compelled to adopt this rule on account of the inconvenience and expense of collecting small balances due from many of our patrons at the close of our business season. Remittances can be made in current Bank-bills, Post-Office Orders, Registered Letters, or by drafts on New York, Boston, or Philadelphia. Post-Office Orders are preferable to all others, as there is no possibility of loss, but when these cannot be obtained, Registered Letters are surest to reach their destination. **We will guarantee the safe arrival of all packages when orders are accompanied with a Draft on New York, Registered Letter, or Post-Office Order.** The cost of the Post-Office Order, Draft, or of Registering the Letter may be deducted from the remittance on orders amounting to \$2.00 and upwards.

N. B.—We earnestly request our correspondents to be particular and give their NAMES, POST-OFFICE ADDRESS, COUNTY AND STATE IN FULL, DISTINCTLY WRITTEN. We are in daily receipt of orders deficient in some one of these important requisites, and very frequently from prominent men of business, who not only forget to sign their names, but omit their place of residence, often causing a delay of weeks in the execution of their orders, greatly to their inconvenience, as well as our own. We are in possession of many letters, the accumulation of former years, with money enclosed, without signature or place of residence, the writers of which probably considered themselves badly swindled by not receiving their goods. Orders may be addressed to **B. K. Bliss & Sons, Box 3536, Post-Office, New York**. Please be particular, and give the address in full, as letters are often miscarried by not being properly directed. For the convenience of our patrons, and to prevent errors, we have prepared an order-sheet, all ready for filling out, also an envelope upon which our address is printed, which will be sent with each copy of the Catalogue. Purchasers will please use the order-sheet according to the directions, and enclose the same with remittance in the envelope, and return to us.

GREAT INDUCEMENTS FOR THE FORMATION OF CLUBS.

Purchasers remitting	\$1.00	may select Seeds, <i>in pkts.</i> , at Catalogue prices, amounting to	\$1.20
Purchasers remitting	2.00	may select Seeds, <i>in pkts.</i> , at Catalogue prices, amounting to	2.50
Purchasers remitting	3.00	may select Seeds, <i>in pkts.</i> , at Catalogue prices, amounting to	3.75
Purchasers remitting	4.00	may select Seeds, <i>in pkts.</i> , at Catalogue prices, amounting to	5.00
Purchasers remitting	5.00	may select Seeds, <i>in pkts.</i> , at Catalogue prices, amounting to	6.50
Purchasers remitting	10.00	may select Seeds, <i>in pkts.</i> , at Catalogue prices, amounting to	13.00
Purchasers remitting	20.00	may select Seeds, <i>in pkts.</i> , at Catalogue prices, amounting to	27.00
Purchasers remitting	30.00	may select Seeds, <i>in pkts.</i> , at Catalogue prices, amounting to	40.00

No variation whatever will be made from the above rates. Prices to Dealers, whose orders exceed the above amounts, will be given upon application.

We wish it distinctly understood by our correspondents that the above discount will be allowed only upon FLOWER and VEGETABLE SEEDS IN PACKETS. SEEDS, WHEN ORDERED BY THE OUNCE OR POUND, PLANTS, ROOTS, OR BULBS, WILL NOT BE INCLUDED.

DIRECTIONS FOR SOWING AND RAISING SEEDS.

A MELLOW loam, which is a medium earth between the extremes of clay and sand, enriched with a compost of rotten manure and leaf mould, is adapted to the generality of flowering plants. Previous to digging flower beds or borders, care must be taken that they are so arranged that the ground may be a little elevated in the middle, that the water may run off, and that the plants may show to a better advantage.

All kinds of annual flower seeds may be sown in the months of April and May; the beds should be leveled and the seeds sown either in small patches, each kind by itself, or in drills. It is particularly requisite that seeds should not be sown too deep, from whence arise most of the failures of inexperienced gardeners. Some of the larger seeds, such as *Lupins*, *Sweet Peas*, &c., should be planted about three-quarters of an inch deep; other varieties from a quarter to half an inch deep, according to the size or nature of the seed. In about a month, more or less, many of them will be fit to transplant. Take advantage of cloudy and rainy weather; move the plants carefully with a trowel; the smaller kinds set in front, the larger in the rear; if the weather be dry and sky cloudless, give a little water, and cover for a few days.

The best method to obtain an earlier bloom of the more tender Annuals, such as *Schizanthus*, *Cockscomb*, *Ice Plant*, *Sensitive Plant*, *Cypress Vine*, *Thunbergia*, *Globe Amaranthus*, *Verbena*, etc., and insure strength to the plants, is to sow the seeds in pots early in March, placing them in a warm greenhouse window, or plunging them into a moderate hotbed, carefully protecting them from the cold, shading them from the midday sun, and watering them very carefully with a finely-pierced watering can. The seed should be sown in very light, sandy compost, and the pots well drained by placing broken earthenware and rough sods in the bottom; the finer seeds must not be planted more than a quarter of an inch deep, and the soil pressed down very closely over them. Water frequently, as above recommended, particularly if the house or frame is very warm. As soon as the seed leaf is fully developed, transplant into small pots, three or four in each, and when they have acquired sufficient strength, transplant into the flower beds, not, however, before the middle of May.

The less delicate, such as *Ten Week Stock*, *Pansy*, *Nemophila*, *Phlox*, *Double Balsam*, *Cacalia*, *Dahlia*, *Centaurea*, etc., may be sown and transplanted as above, but must be kept rather cooler. The finer varieties of *German Asters* should be sown in pots towards the end of April, pricked off into smaller pots in June, and transplanted.

Hardy Annuals, such as *China Asters* (not the finer German sorts), *Purple Sweet Sultan*, *Sweet Alyssum*, *Mignonette*, *Marigold*, *Gilia*, *Ipomea*, *Larkspur*, *Sweet Pea*, *Clarkia*, etc., will succeed well in a border of natural earth, if sown the first week in May, but they will flower a month earlier if assisted by glass. If some of the *Hardy Annuals* be sown in September, they will become strong enough to survive the Winter, if protected with a slight covering of straw, or litter; and when transplanted in Spring will flower earlier and stronger.

Hardy Biennials and Perennials may be sown at the same time with the Annuals. As they do not blossom the first year, they may be thinned out, or removed from the seed beds as soon as they are well rooted, and planted either into different parts of the garden or into a nursery bed, in rows, a foot or more apart; keep them clear of weeds by hoeing and stirring the earth occasionally, which will greatly promote their growth, and prepare them for transplanting into the permanent blossom beds, either in the Autumn or the following Spring. *Biennials* are raised principally from seed sown every year. Some *Perennials* and *Biennials* may be sown in September, or as soon as ripe; and if the plants get strong before the setting in of Winter, most of them will flower the next Summer. In transplanting, take care to preserve some earth to their roots, and tie the tall growing kinds to neat poles or rods. Remove decayed plants, and replace them with vigorous ones from the nursery bed. Keep all the beds free from weeds, and the walks clean and neat.

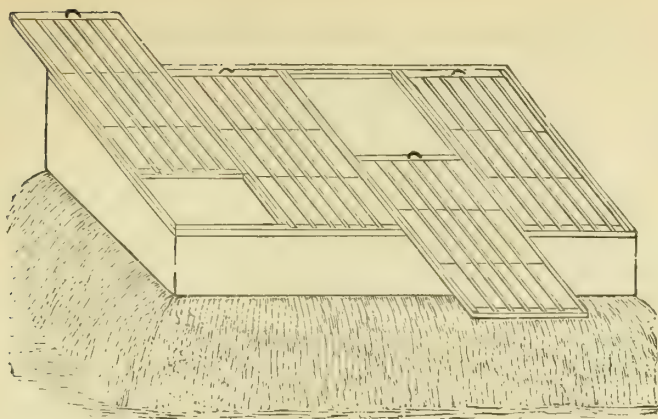
Seeds of Greenhouse Plants, especially *Calceolaria*, require extra care in sowing, as the seeds are very fine and delicate. The pans must be well drained, say half filled with crocks, and on this a layer of rough fibrous peat or turf, and fill up with compost of the following proportions:—two-thirds light rich loam, one-third peat, silver sand, and thoroughly decayed cow manure, the whole well mixed together. Make the surface as smooth as possible, and sprinkle a little silver sand over it, water with a fine rose: after the pans have thoroughly drained, the seed must be very evenly and carefully sown—it will require no covering. After sowing, place the pans under a glass in a close frame (it will require no artificial heat), keep shaded, as exposure for a short time to the sun's rays is often enough to scorch the delicate leaves and rootlets of the seedlings. Directly the plants are large enough to handle, they must be pricked into other pans, which have been prepared in the same manner as for seed sowing, and allowed to grow till they touch each other, then shifted into small pots, and replaced in close frame; as soon as the roots fill these pots it will be necessary to re-pot in larger sizes. They will now do, if replaced in frames or put on shelves in the greenhouse near the glass; water regularly, re-pot and stake when required. If troubled with green fly, select a quiet evening and fumigate with tobacco paper.

These remarks will apply also to the cultivation of the *Cineraria*, *Chinese Primrose*, *Carnations*, and many other rare seeds, except that they are more hardy, and will thrive with less care. The seeds being larger will require a light covering of finely pulverized soil.

Seeds of Trees and Shrubs require careful treatment. Most failures arise from not sowing them in PARTIAL SHADE. If hot bursts of sun come on the seed beds while the seeds are swelling, and cold follows, many seeds are liable to rot before they appear above the surface. For raising seeds on an extensive scale, many now use artificial arbors, tall enough to work under. For smaller lots, brushwood, or a thin shade of corn-stalks, on a skeleton frame, is an excellent plan. Where birds are destructive, lattice frames are made to cover the beds with. There are many kinds of seeds which, in the hands of experienced cultivators, need no shade, but to all persons of limited knowledge we would recommend to shade every seed.

Seeds take some time to swell their coats after going in the ground, hence all should be put in as early as possible—even though the frost be not out of the ground; if any dry soil can be had to cover, many find advantage in sowing even on frozen soil. In some climates where the Springs are early, some seeds will remain in the ground till the following Spring. If they fail to appear by the time the Spring is over, examine, and, if found with fresh kernels, keep the beds weeded and shaded till the next season.

These simple directions are all that any one needs, to have tolerable success in raising tree seeds; the greater the experience, of course, the greater the success.



PREPARATION AND MANAGEMENT OF A HOTBED FOR RAISING SEEDLINGS.

“**S**OW in heat—Sow in a hotbed,” are directions so commonly to be found in the notices of half-hardy annuals, that we feel we shall be materially aiding those who are their own gardeners if we give a few simple directions on the subject of a hotbed, composed of stable manure, the most frequent and useful form in which it is to be found.

The Preparation of the Dung is a matter of great importance, and if the bed be expected to retain its usefulness for any length of time it should be well worked previous to being used. If obtained fresh from the stable-yard, and found to be too dry, it should be well watered and thrown lightly together to ferment; this will take place in the course of a few days, and three or four days afterwards it should be completely turned, well shaken and mixed, keeping the more littersy portion to the interior of the heap; a second turning and watering may be necessary, although one will be generally found to be sufficient; when thus cleaned of its rankness the *bed* may be made.

The situation for this should be dry underneath, sheltered from the north as much as possible, and fully exposed to the sun; it should be built up from two feet six inches to four feet high, and wider by six inches every way than the frame to be placed upon it. The dung should be well shaken and mixed while being put together, and firmly pressed by the feet. The frame should be kept close until the heat rises, and three or four inches of sifted sand or ashes should be placed on the surface of the bed; in a few days it will be ready for use; but air should be given night and day while there is any danger from the rank steam, and if the sand or ashes are drawn away from the side of the bed they should be replaced.

When the hotbed is used for seeds only, nothing further is necessary; they are to be sown in pots or pans, placed or plunged in the bed, the heat of which will soon cause them to germinate. As this will, after some time, decline, what are called linings should be added, that is, fresh, hot, fermenting (but not rank) dung applied about a foot in width all round the bed; this renews its strength, and will greatly aid its successful management.

A Cold Frame is formed by placing the ordinary hotbed frame upon a bed of light, rich soil in some place in the garden where it will be protected from cold winds. They should both be shaded from the sun by mats during the middle of the day.

All of the leading varieties of FLOWER SEEDS sent out from our establishment are put up in packets; upon which are also printed the COMMON and BOTANICAL NAMES, the LINNEAN CLASSIFICATION and NATURAL ORDERS, with the adaptation and mode of culture of the variety which it contains, of which the following is a sample:

CARNATION PINK.—Fine German.

DIANTHUS CARYOPHYLLUS—FL. PL.

Nat. Ord., Caryophyllaceæ. Linn., Decandria Digynia. Half-hardy Perennial. 1 ft. Fl., various colors. June to September. Native of England.

Sow in April or May, in pots of light soil mixed with leaf mould, scattering the seeds thinly, and covering very lightly with finely sifted mould. Place in a cold frame, or in a sheltered situation out-of-doors, covered with a hand glass; prick out when the seedlings have made a few leaves, either into small pots or in nursery beds. Protect the plants in frames through the winter, and transplant to the border in April. They may be increased by layers. Light, rich garden soil.

B. K. Bliss & Son

No. 34 Barclay Street,
NEW-YORK.

COLLECTIONS OF FLOWER SEEDS BY MAIL.

THE following collections contain the most showy varieties in our large assortment, with full directions for culture. Each packet contains a mixture of the different colors and varieties of its species, so that a greater display can be made at less cost than when ordered in separate packets.

Collection A —Contains twenty choice varieties of Annuals	\$1.00
Collection B —Contains twenty choice varieties of Biennials and Perennials	1.00
Collection C —Contains ten extra varieties of Annuals and Perennials, embracing many of the new and choicest in cultivation	1.00
Collection D —Contains five very choice varieties of German Asters, Carnations, Double Hollyhocks, Pansies, and Verbenas	1.00

Any one remitting \$3.00 will receive the four collections postage free.

The following additional collections will also be sent at the prices annexed, *free of postage*.

Collection E —Contains fifteen very select varieties of Greenhouse Seeds	2.00
Collection F —Contains twenty varieties of Annuals suitable for bouquets	1.00
Collection G —Contains twenty varieties of Annuals and Perennials suitable for Hanging Baskets ..	1.00
Collection H —Contains fifteen varieties of Annual and Perennial Climbing or Running Plants	1.00
Collection I —Contains ten choice varieties of Ornamental Foliage Plants	1.00

The seeds contained in the above collections are of our own selection. Purchasers who prefer to make their selection from the Catalogue will be entitled to discounts, for which see page 3.

COLLECTIONS OF KITCHEN GARDEN SEEDS BY MAIL.

Containing Vegetable Seeds for One Year's Supply, for a Large or Small Garden.

THE following collections are made up in the most liberal manner, care being taken to give a sufficient quantity of all the finest varieties and most useful sorts of Vegetables required in the Kitchen Garden:

Assortment No. 5 —Contains sixty varieties	\$3.50
Assortment No. 6 —Contains forty varieties	2.00
Assortment No. 7 —Contains twenty varieties	1.00

Larger collections, which can be safely sent by express (freight paid by purchaser) to any part of the country, as follows: No. 1, \$20.00; No. 2, \$15.00; No. 3, \$10.00; No. 4, \$5.00. For list of the contents of each collection, see page 105.

PLANTS IN SPECIAL SELECTIONS.

These Selections can be sent only by express, at the expense of purchasers.

Many of our customers being unable to determine what plants are best suited for a continuous display of flowers and foliage during the Summer months, we submit the following, which we are satisfied will prove satisfactory, being our own selection, and of such plants as we grow in large quantities. A saving of 30 per cent. is made in ordering from these selections.

SELECTION C.—\$10.00.—Containing 80 Plants.

1 Ageratum.	1 Cuphea hyssopophylla.	1 Hardy Phlox.
3 Alternanthera.	1 Cuphea platycentra.	4 Heliotropes.
1 Ampelopsis Veitchii.	1 Dianthus.	2 Lobelias.
2 Bouvardias.	2 Double Feverfews.	2 Othona Crassifolia.
2 Cannas.	2 Double Tuberoses.	2 Perestrophe Angustifolia.
2 Carnations.	4 Fuchsias.	10 Roses, everblooming var.
2 Centaureas.	10 Geraniums.	2 Scarlet Sage.
1 Chrysanthemum.	6 Pansies.	10 Verbenas.
6 Coleus.		

To which we will add, without extra charge, a plant of one of the New Double Ivy-leaved Geraniums.

SELECTION D.—\$5.00.—Containing 35 Plants.

2 Alternanthera.	1 Dianthus.	1 Lobelia.
1 Bouvardia.	1 Double Feverfew.	1 Othona Crassifolia.
1 Canna.	2 Fuchsias.	1 Perestrophe Angustifolia var.
1 Carnation.	5 Geraniums.	5 Roses, everblooming varieties.
1 Centaurea.	2 Heliotropes.	1 Scarlet Sage.
2 Coleus.	2 Pansies.	6 Verbenas.
1 Cuphea platycentra.		

To which we will add, without extra charge, a plant of one of the beautiful New Double Ivy-leaved Geraniums.

ONE DOLLAR COLLECTIONS.—PLANTS AND BULBS BY MAIL.

THE following collections of plants and bulbs, all distinctly labeled, will be forwarded, post-free to any post-office in the United States, on receipt of \$1.00 for each, or the twenty collections will be sent for \$17.50.

We will send only healthy plants, securely packed, and mailed according to directions. We may state that plants can be sent, with very little fear of failure, at all seasons of the year; in fact, there is less risk during the Winter months than in Summer, when the heat is excessive.

No. 1. 20 Verbenas, 20 different sorts.	No. 11. 3 Moss Roses, 3 different sorts.
2. 15 basket or bedding plants, 15 different sorts.	12. 2 Camellia Japonicas and 2 Azaleas.
3. 10 Geraniums, 10 different sorts.	13. 8 Double Geraniums, 8 different sorts.
4. 10 Tuberoses, all flowering bulbs.	14. 6 Variegated Geraniums, 6 different sorts.
5. 12 Gladioli, fine mixed sorts, all blooming bulbs.	15. 5 Carnations and 5 Roses, all different sorts.
6. 3 Roses, 2 Geraniums, 2 Fuchsias, 2 Carnations, all different sorts.	16. 10 splendid Carnations, 10 different sorts.
7. 6 Gladioli and 5 Tuberoses.	17. 6 Gladioli, 6 different sorts, all named.
8. 8 Verbenas and 5 Geraniums.	18. 8 Fuchsias, 8 different sorts.
9. 6 Hybrid Perpetual Roses, 6 different sorts.	19. 5 Coleus and 5 Achyranthus, all different sorts.
10. 10 Tea Roses, 10 different sorts.	20. 8 Verbenas and 5 Roses, all different sorts.

A SELECT DESCRIPTIVE LIST OF FLOWER SEEDS,

INCLUDING

All the leading varieties of Annuals, Biennials, and Perennials adapted for cultivation in Conservatory, Greenhouse, or Flower-Garden.

In order to facilitate purchasers in making their selections, who are unacquainted with the botanical names, or different varieties of plants, we have, as far as possible, given the popular name of each variety, and have endeavored so to simplify the description, that any person, however unacquainted, may be able to make a judicious selection.

 In ordering Flower Seeds it is sufficient to give the numbers only, but it is absolutely necessary to state the edition of the Catalogue from which they are taken, as new editions are annually published and the numbers are frequently changed.

FULL CULTURAL DIRECTIONS ARE GIVEN ON EACH PACKET.

No. ABOBRA. Price.
An elegant climber, allied to the gourd family, with inconspicuous flowers, but the finely cut, dark-green foliage and the small, glossy, scarlet fruit render it highly ornamental; half-hardy perennial.
250 *Abobra viridiflora*, very graceful; 6 ft. \$0.10

ABRONIA.
Charming trailer, with beautiful verbena-like clusters of sweet-scented flowers; continues in bloom a long time; very effective in beds, rock-work, or hanging baskets; half-hardy annuals.
252 *Abronia umbellata*, rosy lilac; fragrant .10
253 — *fragens*, yellow; very fragrant..... .10

ABUTILON.
Desirable plants for the conservatory, freely producing a profusion of lovely bell-shaped flowers; many of the varieties succeed well if plunged in the border during Summer; half-hardy shrubs.
255 *Abutilon*, choice varieties, mixed..... .25

ACACIA.
Graceful, elegant, and highly ornamental plants, that may be employed for outdoor decoration, during the Summer, with most satisfactory results; greenhouse shrubs.
258 *Acacia*, choice varieties, mixed25

ACHIMENES.
Charming plants, combining great beauty with richness and brilliancy of color; succeeds well in a warm greenhouse; seed scarce; greenhouse bulb.
262 *Achimenes*, choice varieties, mixed..... .50

ACONITUM.
A well-known showy favorite, popularly termed *Monkshood*; grows luxuriantly under trees or in other much shaded situations; hardy perennial.
264 *Aconitum napellus*, blue and white; 3 ft. .05

ACROCLINIUM.
A beautiful class of everlasting flowers; graceful border plants and valuable for Winter bouquets and decorations; half-hardy annual.
266 *Acroclinium roseum*, light rose; 1 ft. .05
267 — — *album*, pure white; 1 ft.05

No. ADLUMIA. Price.
A beautiful climbing plant of graceful habit, with delicate pale-green pinnate foliage; flowers freely all Summer; also called *Mountain Fringe* and *Alleghany Vine*; hardy biennial.
270 *Adlumia cirrhosa*, flesh-colored; 15 ft. \$0.10

AGERATUM.
Splendid plants for large clumps or masses, as well as for in-door blooming during Winter; very useful for cut flowers; half-hardy annuals.
276 *Ageratum imperial dwarf*, blue; 1 ft. .10
277 — *Lasseauxii*, pink; 1½ ft.10
278 — *Mexicanum*, lavender blue; 2 ft.05
279 — — *album*, white; 2 ft.05
280 — *Wendland's dwarf*, white; ¾ ft.10

AGROSTEMMA.
Handsome, free-flowering, attractive border plants, at home in any garden; excellent for cut flowers; hardy perennial.
286 *Agrostemma celi rosea*, rose; 1 ft.05
287 — — *alba*, white; 1½ ft.05
288 — *hybrida fl. pl.* double; very showy.. .10

ALONSOA.
Handsome bedding plants, succeeding well in any good garden soil, freely producing flowers of great brilliancy from early Summer until frosts; valuable for in-door decoration; half-hardy annual.
294 *Alonsoa grandiflora*, scarlet, 2 ft.05
295 — *incisifolia*, orange scarlet, 2 ft.05

ALOYSIA.
This is the well-known *Lemon Verbena*, and is chiefly cultivated for its pleasing fragrant foliage; easily grown, it is in consequence a popular favorite; half-hardy shrub.
298 *Aloysia citriodora*, lemon-scented..... .25

ALYSSUM.
Free flowering, pretty little plants for beds, edgings, or rock-work. The annual varieties bloom the whole Summer, and the perennials are among our earliest and most attractive Spring flowers.
300 *Alyssum*, sweet, fragrant; white; hardy annual; ½ ft.05
301 — *Wierbeckii*, yellow and white; hardy perennial; 1 ft.05

No. 252.—*Abronia umbellata*.**AMARANTHUS.**

Ornamental foliated plants, extremely graceful and interesting, producing a striking effect, whether grown for the decoration of the conservatory or outdoor flower garden; half-hardy annuals.

- 304 *Amaranthus Abyssinicus*, very effective when grown as isolated specimens; 3 ft. \$0.10
 305 — *bicolor ruber*, foliage green, shaded with red and sometimes pointed yellow; 3 ft. .05
 306 — *caudatus* (*Love Lies Bleeding*), red drooping panicles of flowers; handsome; 3 ft. .05
 307 — *cruentus* (*Prince's Feather*), crimson; highly ornamental; 3 ft. .05
 308 — *Henderi*, varied colors; very brilliant; one of the best; 3 ft. .15
 309 — *melancholicus ruber*, rich resplendent carmine foliage; 1 ft. .10
 310 — *Princess of Wales*, foliage carmine, orange green, and bright yellow, beautifully blended; very handsome; 3 ft. .15
 311 — *salicifolius*, scarlet, bronzy green foliage; graceful drooping habit; 3 ft. .10
 312 — *tricolor* (*Joseph's Coat*), foliage scarlet, yellow, and green; beautiful; 1½ ft. .05
 318 — *Collection* of 12 distinct varieties75

AMMOBIUM.

Useful for dried bouquets and Winter decorations; a showy border plant; half-hardy perennial.

- 322 *Ammobium alatum*, white; 2 ft. .05

ANAGALLIS.

Valuable for small beds, edgings, rustic baskets, vases, or rock-work; half-hardy annuals.

- 326 *Anagallis*, fine mixed10

ANCHUSA.

Remarkably effective border plants; growing freely in shaded situations; excellent for shrubberies or the wild garden; hardy perennial.

- 330 *Anchusa Italica*, intense blue; 4 ft. .05

ANEMONE.

These rank among the earliest and brightest of our Spring flowers, and succeed well in any sunny situation, with rich light loam; hardy perennial.

- 334 *Anemone coronaria*, mixed; ½ ft. .10

ANTIRRHINUM.

The Antirrhinum, popularly called *Snap-dragon*, is one of our most showy and useful border plants; half-hardy perennials.

- 340 *Antirrhinum majus album*, white.05
 341 — — *brilliant*, crimson, white throat.05
 342 — — *caryophylloides*, splendid striped05

No. 311.—*Amaranthus salicifolius*.**ANTIRRHINUM.—Cont'd.**

- 343 *Antirrhinum majus firefly*, orange, scarlet, and white. \$0.05
 344 — — *nigrescens*, deep crimson; 2 ft.05
 345 — *nanum album*, white; 1 ft.05
 346 — *luteum*, bright yellow; 1 ft.05
 347 — *kermesina splendens*, crimson; 1 ft.05
 348 — *picturatum*, shaded, marbled and striped flowers of surprising beauty.25
 349 — — *striatum*, striped; 1 ft.05
 353 — *dwarf*, many varieties mixed.10
 354 — *tall*, many varieties mixed.10
 355 — *Collection* of 8 distinct colors.60

AQUILEGIA (Columbine).

A class of highly ornamental plants; its varieties combining at once, flowers the most curious in form with colors the most striking and beautiful; hardy perennials.

- 360 *Aquilegia alba plena*, white; 2 ft.10
 361 — *Californica hybrida*, a new variety; center petals golden yellow, sepals and spurs deep orange red; 2 ft.25
 362 — *chrysantha*, golden yellow; 2 ft.10
 363 — *caryophylloides*, double, splendid striped varieties; 2 ft.05
 364 — *cærulea hybrida*, violet, blue, and yellow; fine; 2 ft.15
 365 — *Durandii*, double, variegated; 1½ ft.10
 366 — *glandulosa*, blue, tipped white; 1½ ft.10
 367 — *Skinnerii*, scarlet and yellow; 1½ ft.10
 368 — *finest mixed*10
 372 — *Collection* of 6 distinct varieties.50

ARABIS.

An early Spring-flowering plant, indispensable and exceedingly effective for rock-work, edgings, etc.; hardy perennial.

- 375 *Arabis alpina*, pure white; ¾ ft.10

ARCTOTIS.

Handsome, free-flowering plants of close compact dwarf habit, with large, beautiful flowers that continue the whole summer. Some of the varieties have the under surface of their leaves covered with a close white wool, which with the form of the leaves gives them a peculiar appearance. Will bloom first season, although they are half-hardy perennials.

- 378 *Arctotis brevicauda*, deep orange, with dark crimson center; ½ ft.10
 379 — *grandiflora argentea*, silvery foliage, with large yellow, crimson-centered flowers, a desirable variety; ½ ft.10



No. 255.—Abutilon.



No. 368.—Aquilegia.

No.	ARGEMONE.	Price.
	Remarkably distinct plants, both in flower and foliage; their large poppy-like flowers are very effective in the border; hardy annuals.	
384	<i>Argemone grandiflora</i> , white; 2 ft....	\$0.05
385	— <i>Mexicana</i> , yellow; 2 ft.....	.05

ARISTOLOCHIA.

Highly ornamental and attractive climber, with curious horn-shaped flowers, on account of which it is frequently called " <i>Dutchman's Pipe</i> "; trained against the house or piazza, the effect of its massive foliage is matchless; hardy perennial.		
388	<i>Aristolochia siphon</i> , rich purple; 30 ft.	.10

ASPARAGUS (Climbing).

The finest of all the hardy climbers; it has the beautiful feathery foliage of the ordinary asparagus in the form of a graceful running vine; invaluable for decorative purposes: hardy perennial.		
390	<i>Asparagus climbing</i> , bright red berries; very desirable; 10 ft.....	.25

ASPERULA.

A charming, profuse-blooming little plant, bearing clusters of fragrant flowers, admirably adapted for bouquet-making; hardy annual.		
398	<i>Asperula azurea setosa</i> , blue; 1 ft..	.10

ASTER.

This is not only one of the most popular, but also one of the most effective of our garden favorites, producing, in profusion, flowers in which richness and variety of color are combined with the most perfect and beautiful form; half-hardy annuals.

399	<i>Asters, quilled</i> . For beauty and quality of flower, and variety and brilliancy of color, nothing finer in the way of a quilled aster can be had than this strain.....	.25
400	— <i>Cocardeau</i> or <i>Crown</i> , large white-centered flowers; attractive and beautiful; mixed colors; 1½ ft.....	.10
401	— — <i>Collection</i> of 6 distinct colors.....	.60
402	— <i>Dwarf Chrysanthemum</i> , immense flowers; free bloomer; mixed colors; ¾ ft..	.15
403	— — <i>Collection</i> of 12 distinct colors....	.90
404	— <i>Dwarf Pyramidal Bouquet</i> , so profuse in bloom that the foliage is completely hidden with flowers; mixed colors; 1 ft.....	.10
405	— — <i>Collection</i> of 8 distinct colors.....	.60
406	— <i>Giant Emperor</i> , immense brilliant flowers, very double; mixed colors; 2 ft....	.15
407	— — <i>Collection</i> of 8 distinct colors.....	.90

ASTER.—Cont'd.

408	<i>Aster, Half Dwarf white</i> , one of the most useful varieties, where white flowers are desired; 1 ft.....	\$0.20
409	— <i>Hedgehog, Porcupine, or Needle</i> , a grand variety, with large massive flowers, the petals of which are long, quilled and sharply pointed; mixed colors; 2 ft.....	.10
410	— <i>Imbrique Pompon</i> , exquisitely formed small flowers; mixed colors; 1½ ft..	.10
411	— — <i>Collection</i> of 12 distinct colors....	.90
412	— <i>Peony-flowered Globe</i> , very early variety, vigorous habit, and large flowers, very double; mixed colors; 2 ft.....	.10
413	— <i>Quilled German Improved</i> , a branching large-flowered variety; an old favorite; mixed colors; 2 ft.....	.10
414	— — <i>Collection</i> of 12 distinct colors....	.60
415	— <i>rose-flowered</i> , a beautiful variety, flowers regularly imbricated, brilliant and very double; mixed colors; 2 ft.....	.15
416	— — <i>Collection</i> of 10 distinct colors..	.60
417	— <i>Schiller</i> , a late dwarf bouquet Aster, very double, and a profuse bloomer; 1½ ft..	.15
418	— <i>Truffaut's French Peony-flowered Perfection</i> . This is the most perfect type of the Peony-flowered Asters; the habit of the plant is excellent, the flowers are perfect in quality and form, while in size and colors they are beautiful; choicest mixed; 1½ ft....	.25
419	— — — <i>pure white</i> , very desirable for bridal or funeral decorations, or for culture in cemeteries.....	.25
420	— <i>German Peony-flowered</i> , extra fine, mixed.....	.10
421	— — <i>Collection</i> of 18 distinct colors....	1.25
422	— — <i>Collection</i> of 12 distinct colors....	.90
423	— — <i>Collection</i> of 8 distinct colors.....	.65
424	— <i>Victoria</i> , of vigorous habit, pyramidal form; flowers very large, beautifully imbricated, and freely produced; mixed colors; 1½ ft.....	.15
425	— — <i>white, tinted with rose</i> , a new delicately colored variety, the young flowers of which are particularly charming and well adapted for bouquet-making.....	.25
426	— — <i>Collection</i> of 12 distinct colors....	1.00
427	— <i>Washington</i> , without exception the largest Aster in cultivation, the flowers being frequently 4 to 5 inches in diameter, and of perfect form; mixed colors; 2 ft....	.25
428	— — <i>Collection</i> of 4 distinct colors.....	.60
429	— <i>choice mixed</i> , all sorts.....	.10
430	— <i>fine mixed</i> , all sorts.....	.05



TYPES OF ASTERS.

1. Improved Paeony-Flowered (No. 418).
 2. Victoria (No. 424).

3. Chrysanthemum-Flowered (No. 402).
 4. Prize Quilled (No. 399).

HOW TO GROW ASTERS.

For early flowering, sow rather thinly in the middle of March or in April, in good, rich compost, under a frame, or in pans in a greenhouse; shade from strong sun, and keep close till the plants come up; afterward expose gradually to the air; prick out when seedlings have two leaves, shade and water, plant out in the middle or end of May. For later flowering, sow the seed thinly in a cold frame under glass, on a soil nicely prepared in drills six inches apart, the first week in May. The plants come up in a few days, when they must have plenty of air, and as soon as they are about an inch high, take the glass quite off for two or three days, and then prick them out on a well-prepared bed, three or four inches apart; shade them from the sun until well rooted, which will be in three or four days. Before the plants begin to run up in the stem, plant them out where they are to stand for blooming, in deeply trenched, well-manured soil, being careful to remove them with as much mold attached to the roots as possible; let the rows be one foot apart, and the plants ten inches or a foot apart in the rows. If the weather is dry they must be watered until they take root; afterward keep clean from weeds, stir between the plants, and about the first week in August top-dress with rotten manure from an old hot-bed, or water frequently with liquid manure. Give them plenty of water, and tie them to neat stakes as they advance in growth. If intended for exhibition, leave but three or four of the most promising buds to bloom, and shade from the sun as they begin to expand. Experience has proved that the later-planted varieties give better and larger flowers, besides continuing much longer in bloom.



No. 452.—Balloon Vine.

No. AUBRIETIA. Price.
A charming early free-flowering plant, sometimes called *Blue Alyssum*; indispensable for edgings, rock-work, or small beds; hardy perennial.

440 *Aubrietia deltoidea*, rosy lilac; $\frac{1}{2}$ ft...\$0.10

AURICULA.
A well-known garden favorite of great beauty, succeeding best in a northern aspect; half-hardy perennials.

444 *Auricula alpina*, various colors; $\frac{1}{2}$ ft.. .15

445 — *English Hybrids*, green-edged, etc.; saved from prize flowers; $\frac{1}{2}$ ft..... .25

AZALEA.
Amongst the most beautiful and ornamental of our greenhouse and hardy shrubs; requires careful management until well established.

448 *Azalea indica*, saved from finest greenhouse varieties; 4 ft..... .25

449 — *pontica*, hardy varieties; 4 ft..... .25

BALLOON VINE (*Cardiospermum*).
A rapid-growing, handsome climber, with an inflated membranous capsule, from which it derives its name; half-hardy annual.

452 *Balloon vine*, white; 5 ft..... .10

BALSAM.
Magnificent conservatory or outdoor plants, producing their gorgeous masses of beautiful brilliant-colored flowers in the greatest profusion. The soil in which they are grown should be of the richest possible character; the plants should be set fifteen inches apart, securely staked, and receive frequent waterings of manure-water; tender annuals.

455 *Balsam alba plena*, double white; 2 ft. .10

456 — *atrosanguinea plena*, double red; 2 ft. .10

The above two varieties are unsurpassed for florists' use.

457 — *Camellia-flowered*, mixed; 2 ft..... .10

458 — — *Collection* of 12 distinct colors... .75

459 — *dwarf double*, mixed colors; 1 $\frac{1}{2}$ ft.. .10

460 — *rose-flowered*, mixed colors; 2 ft.... .10

461 — *Smith's Prize*, from a celebrated English collection; large and double; 2 ft.. .25

462 — — *Collection* of 9 distinct colors.... 1.00

463 — *solferino*, very beautifully striped and streaked with lilac and scarlet; 2 ft.... .15

464 — *white Perfection*, new double Camellia-flowered variety; immense pure white flowers of the most perfect form25

468 — *fine mixed*..... .05



No. 481.—Bocconia Japonica.

No. BARTONIA. Price.
An effective plant for borders and beds, producing a profusion of metallic yellow flowers showing well above the downy thistle-like foliage, and appearing exceedingly brilliant in the sunshine; hardy annual.

470 *Bartonia aurea*, golden yellow; 1 $\frac{1}{2}$ ft..\$0.05

BEGONIA.
A beautiful tribe of plants, resplendent during the Summer months, with their flowers of various shades of scarlet, crimson, rose, etc., and continuing in bloom until frost. Being as hardy as most of the bedding plants, and of very easy culture, they are simply indispensable where brilliancy of effect is desired. Masses on a lawn present a gorgeous aspect. They are also very desirable for pot culture.

472 *Begonia, tuberous-rooted*, saved from the newest English hybrids; choice mixed. .50
Flowering bulbs, 50 cents each.

473 — *Frœbelli*, dazzling scarlet; 1 $\frac{1}{2}$ ft.... .50

474 — *No plus ultra*, flowers bell-shaped; gracefully pendulous; blooms profusely.... .50

475 — *Rex hybrida*, beautiful, variegated foliage, for pot culture..... .25

BELVIDERE (*Summer Cypress*).
A rapid-growing, highly ornamental and extremely graceful Cypress-like plant, admirably adapted for the decoration of cemeteries; hardy annual.

478 *Belvidere* (*Kochia scoparia*); 4 ft..... .05

BIGNONIA (*Trumpet Vine*).
Magnificent hardy deciduous climber, with brilliant flowers; deserving first place as the most ornamental and effective covering for walls, houses, etc.; hardy perennial.

480 *Bignonia radicans*, scarlet; 30 ft..... .15

BOCCONIA.
Ornamental foliage plants, exceedingly effective as single specimens on lawns or in borders; hardy perennials.

481 *Bocconia Japonica*, produces racemes of bloom from 2 to 3 feet long..... .10

BRACHYCOME (*Swan River Daisy*).
Beautiful free-flowering dwarf-growing plants, covered during the greater portion of the Summer with a profusion of pretty Cineraria-like flowers; very effective as edgings, in small beds, rustic baskets, or for pot-culture; half-hardy annuals.

494 *Brachycome iberidifolia*, blue; $\frac{1}{2}$ ft.. .10

495 — — *albiflora*, white; $\frac{1}{2}$ ft..... .10

No. 517.—*Calceolaria grandiflora*.

- No. BROWALLIA. Price.**
 Very handsome profuse-blooming plants, covered with rich, strikingly beautiful flowers; half-hardy annuals.
- 498 *Browallia Cerviakovskii*, blue with white center, beautiful; 1½ ft.\$0.05
 499 — *elata alba*, white; 1½ ft.05
 500 — *Roezli*, azure blue or white; flowers double the size of the other species.10

CACALIA (Tassel Flower).

A beautiful and profuse-flowering genus of plants with tassel-shaped flowers, fine for mixed borders; they are of remarkably easy culture, but succeed best in rather rich soil; half-hardy annuals.

- 504 *Cacalia aurea*, golden yellow; 1½ ft.05
 505 — *coccinea*, orange scarlet, flowering in clusters, very pretty; 1½ ft.05

CACTUS.

Extremely curious and interesting plants, many of the varieties producing magnificent flowers of the most brilliant and striking colors. They succeed best in a mixture of sandy loam, brick or lime rubbish, and a little peat or well rotted manure; greenhouse perennial.

- 508 *Cactus*, choice varieties, mixed.25

CALANDRINIA.

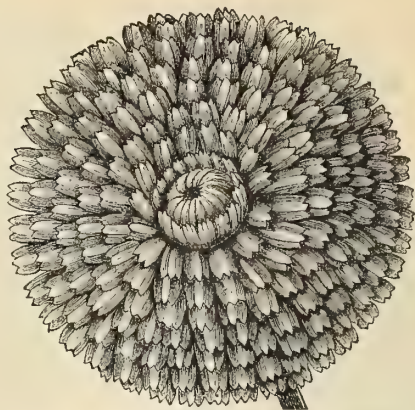
Very beautiful free-flowering plants, invaluable for edgings, rock-work and dry, hot banks, or similar situations; they have fleshy leaves and succulent stems, like the Portulacca, and produce an abundance of blossoms, which, when fully expanded, have a charming effect; they all succeed in a light rich soil; hardy annuals.

- 512 *Calandrinia speciosa*, rosy purple, a most profuse bloomer; ½ ft.05
 513 — — *alba*, a white-flowering variety of the preceding, distinct and beautiful.05

CALCEOLARIA.

Plants of a highly decorative character, indispensable for the greenhouse or the flower garden. The finer strains of *C. hybrida* are remarkable for their large, magnificently marked flowers, and are chiefly cultivated for in-door decoration; greenhouse perennials.

- 516 *Calceolaria hybrida*, choice mixed.25
 517 — — *superba grandiflora*, beautifully spotted, large-flowered, extra select; the finest in cultivation.50
 518 — *rugosa*, splendid shrubby varieties for bedding saved from a very fine selection, embracing a great variety of colors.50

No. 526.—*Calendula officinalis Meteor*.

- No. CALENDULA (Marigold.) Price.**
 A very showy, free-flowering genus of plants, producing a very pretty effect in mixed borders, and growing freely in almost any soil; hardy annuals.
- 524 *Calendula officinalis* (*Garden Marigold*), fine orange; 1 ft.\$0.05
 525 — — *Le Proust*, nankeen edged with brown; 1 ft.05
 526 — — *Meteor*, light golden yellow, striped with intense orange; blooms from May until late in Autumn.10
 527 — *Pongel fl. pl.*, a white hybrid Marigold, with double flowers; 1 ft.10

CALLA (Richardia).

A very handsome plant, either as an aquatic or for the ornamentation of the drawing-room and conservatory; half-hardy perennial.

- 532 *Calla Ethiopica*, white Ethiopian lily; 2 ft. (Roots 50 cents each)25

CALLIOPSIS or COREOPSIS.

Few, if any, annuals are more useful than these; the colors are rich and striking, flowers numerous and beautiful; produce a fine effect in mixed borders; hardy annuals.

- 535 *Calliopsis Atkinsoniana*, yellow and crimson; 2½ ft.05
 536 — *bicolor* (*Tinctoria*), yellow and brown; very showy; 2½ ft.05
 537 — *Burridgii*, deep crimson copper, with a broad margin of gold; 2 ft.05
 538 — *coronata*, yellow, with crimson spots.05
 539 — *Drummondii*, yellow, dwarf; 1½ ft.05
 540 — *marmorata*, rich crimson, brown, and yellow, singularly marbled; 2 ft.05
 541 — *nigra speciosa*, rich crimson; 2 ft.05
 545 — *fine mixed varieties*.05

CALLIRHOE.

An elegant genus of plants, strongly resembling the Scarlet Linum; commences to bloom when about six inches high, and presents a mass of flowers during the entire Summer; hardy annuals.

- 548 *Callirhoe involucrata*, a trailing variety, with large rich crimson-purple flowers.10
 549 — *pedata*, purple crimson; 2 ft.05
 550 — — *nana*, violet crimson; 1 ft.05

CAMELLIA.

Favorite Winter and Spring flowering plants of great beauty. The seed we offer being saved from a splendid collection, many valuable varieties are likely to result from it; greenhouse shrubs.

- 555 *Camellia Japonica*, various colors; 5 ft.50



No. 580.—Canary Bird Flower.



No. 616.—Canna.

No. CAMPANULA. Price.

A genus of exceedingly beautiful annuals and perennials, all of which are characterized by the richness of their colors and the profusion of their bloom.

HARDY PERENNIALS.

558	Campanula carpatia , mauve; 1 ft...	\$.05
559	— alba , white; 1 ft.....	.05
560	— grandiflora , deep purple; 2 ft.....	.05
	— media (See Canterbury Bells).	
562	— pyramidalis , blue, handsome; 3 ft...	.05
563	— alba , pure white; 3 ft.....	.05
568	— perennial varieties , mixed.....	.10

HARDY ANNUALS.

569	Campanula Lorei , purple lilac; 1 ft...	.05
570	— alba , silvery gray; 1 ft.....	.05
571	— pentagonia , rich purple; $\frac{1}{2}$ ft.....	.05
572	— alba , pure white; $\frac{1}{2}$ ft.....	.05
575	— annual varieties , mixed.....	.05

CANARY BIRD FLOWER.

(*Tropæolum peregrinum*.)

A well-known, desirable climbing plant, of rapid growth; highly ornamental foliage and a profusion of curiously shaped flowers; the habit of the plant is of a luxuriant and rambling character, and trained on even the most unsightly objects, it imparts to them a most pleasing aspect; half-hardy annual.

580	Canary Bird Flower , yellow; 10 ft...	.15
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CANDYTUFT.

One of the most useful border annuals, very effective in beds, groups, ribbons, etc.; also very useful for pot culture, for conservatory decoration during Winter; seed sown in Autumn will flower early in Spring, and if sown in April or May will continue in bloom until frost; indispensable for bouquets; hardy annuals.

582	Candytuft, Carter's New Carmine , distinct and beautiful, presenting one mass of vivid carmine bloom.....	.15
583	— Dunnettii , rich crimson; 1 ft.....	.05
584	— fragrant , pure white; 1 ft.....	.05
585	— hybrid Dwarf , very floriferous; choice colors, mixed.....	.15
586	— purple , 1 ft.....	.05
587	— rocket , white, large trusses; 1 ft.....	.05
588	— Tom Thumb, New White ; forms a dwarf compact cluster about 16 inches in diameter, with large clear white flower-heads; very desirable.....	.15
589	— white , very desirable; 1 ft.....	.05
594	— fine mixed	.05

No. CANNA (Indian Shot). Price.

A genus of highly ornamental plants, remarkable for their large and handsome foliage, majestic habit, and brilliant flowers. When planted in groups or masses, they impart quite a tropical aspect to the garden. Cannas are easily raised by sowing the seed early in Spring, in a strong, moist heat, when the plants are highly decorative the first season; may also be planted in the flower border in the latter part of May and June, but will not flower so early; half-hardy perennials.

600	Canna Annei , rich crimson; 3 ft.....	\$.10
601	— Bihorelli , brown violet foliage; $\frac{1}{2}$ ft.....	.10
602	— Bonnetti , red and yellow; 7 ft.....	.10
603	— Depute Hernon , leaves deep green, flowers sulphur and orange; 5 ft.....	.10
604	— indica , red, from India; 2 ft.....	.05
605	— Krelagi discolor , dark stem, large leaves, violet streaked with purplish red; 5 ft.....	.15
606	— limbata , intense scarlet edged with yellow, very striking; 4 ft.....	.10
607	— Nepalensis , foliage green, flower clear yellow, very beautiful; 3 ft.....	.10
608	— Warscewiczii , brilliant red, foliage striped, from Central America; 3 ft.....	.10
609	— zebrina , beautiful zebra-striped foliage; 5 ft.....	.10
616	— fine mixed varieties	.10
617	— Collection of 12 distinct varieties	.75

Those desiring to make more effective display than can be had with plants the first season from seed, can obtain extra strong roots of all the best varieties at 25 cents each, \$2.50 per dozen.

CANTERBURY BELLS

(*Campanula Media*).

When well grown, Canterbury Bells are amongst the most attractive of border plants: they succeed in light, rich soil, and should be transplanted two feet apart; hardy biennials.

618	Canterbury Bells, double blue , $2\frac{1}{2}$ ft.....	.10
619	— double rose , $2\frac{1}{2}$ ft.....	.15
620	— white , $2\frac{1}{2}$ ft.....	.10
621	— mixed , $2\frac{1}{2}$ ft.....	.10
622	— single blue , $2\frac{1}{2}$ ft.....	.05
623	— white , $2\frac{1}{2}$ ft.....	.05
624	— mixed , $2\frac{1}{2}$ ft.....	.05
625	— Dean's hybrids , a splendid strain, remarkable for the size of the flowers and their diversity of color; $2\frac{1}{2}$ ft.....	.15
626	— calycanthema , rich blue; $2\frac{1}{2}$ ft.....	.15
627	— alba , pure white; $2\frac{1}{2}$ ft.....	.15

The two preceding varieties are remarkable in having the calyx the same color as the corolla, and are highly decorative, either as garden or pot plants.



GROUP OF CARNATION, PICOTEE, PERPETUAL AND FLORISTS' PINKS.

- 1.—Carnation, No. 640.
2.—Picotee, No. 1810.

- 3.—Perpetual or Tree Carnation, No. 643.
4.—Florists' Pink, No. 1815.



No. 655.—Catchfly.

No.	CARNATION.	Price.
	A magnificent class of popular favorites, most of which are deliciously fragrant, and with colors extremely rich and beautiful. The seed we offer is from the finest collection in Europe, and will produce many double flowers, and amongst them many choice novelties; half-hardy perennials.	
640	Carnation, saved from choicest double flowers, very select; 1½ ft.	\$.50
641	— fine German, from named flowers....	.25
642	— good mixed, for border culture.....	.15
643	— perpetual or tree, saved from choicest double flowers.....	.50
644	— — fine German, from named flowers.....	.25
645	— dwarf double early flowering, a distinct variety, of compact bushy habit; 1 ft.	.25
646	— Grenadin, a new early variety of great promise, furnishing a profusion of scarlet double flowers of great brilliancy, unsurpassed for florists' use.....	.25
650	— Collection of 12 distinct varieties....	1.00

CATCHFLY (*Silene*).

A showy free-flowering plant, for beds, borders or ribbons; succeeds in any soil; hardy annuals.

655	Catchfly, mixed colors; 1½ ft.	.05
	— in variety (see <i>Silene</i>).	

CELOSIA (*Cockscomb*).

Magnificent, free flowering, graceful growing plants, producing in the greatest profusion spikes of the most beautiful feathery flowers. Plants of the Celosia flower freely if planted out in June in light soil, not too rich; grown in pots, they are the most elegant of greenhouse and conservatory plants; half-hardy annuals.

660	<i>Celosia argentea</i> , silvery white, shaded with rose; elegant; 3 ft.	.10
661	— <i>Huttonii</i> , a beautiful, dark foliage bedding or greenhouse plant.....	.15
662	— <i>Japanica</i> (<i>Japanese Cockscomb</i>). The combs are almost as delicately cut as ruffled lace, while the colors are the brightest imaginable.....	.10
663	— <i>cristata nana</i> , choice mixture of the newest dwarf crested varieties, embracing the most brilliant colors.....	.10
665	— — <i>Glasgow Prize</i> , a splendid distinct dwarf variety, with dark foliage and crimson combs.....	.25
670	— <i>pyramidalis</i> , choice mixture of all the plumed or feathered sorts.....	.10
675	— Collection of 8 splendid varieties.....	.75



No. 717.—Chrysanthemum, double white.

No.	CENTAUREA.	Price.
	Showy, hardy plants; many of the varieties have beautiful silvery foliage, and are indispensable for ribbon bordering or carpet bedding.	
686	<i>Centaurea Americana</i> , lilac purple; showy; hardy annual; 2 ft.	\$.05
688	— <i>depressa</i> , blue, red center, large flowers; hardy annual; 1 ft.	.05
689	— <i>candidissima</i> , silvery-leaved plant for beds, ribbons, vases, baskets and pots; half-hardy perennial; 1 ft.	.25
690	— <i>Clementei</i> , elegant, deeply cut foliage, covered with a snowy white down; handsome; hardy perennial.....	.25
691	— <i>gymnocarpa</i> , a graceful silvery-leaved variety, for bedding or pot culture; half-hardy perennial; 1 ft.	.15
	— <i>Moschata</i> (see <i>Sweet Sultan</i>).	

CENTRANTHUS.

Very pretty, free flowering, compact growing plants, very effective in beds, ribbons, or as an edging; their transparent stem, delicate branches and light glaucous leaves render them very beautiful; grow freely in any common garden soil; natives of Grenada; hardy annuals.

696	<i>Centranthus</i> , mixed colors; 2 ft.	.05
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CERASTIUM.

Silvery-foliaged plants, admirably adapted for edgings, rock-work, etc.; so profuse and pure white are the flowers that the plant is frequently termed "*Snow in Summer*"; hardy perennials.

700	<i>Cerastium Biebersteinii</i> , silvery foliage; ½ ft.	.10
701	— <i>tomentosum</i> , similar to the preceding, but smaller foliage; ¾ ft.	.10

CHÆNOSTOMA.

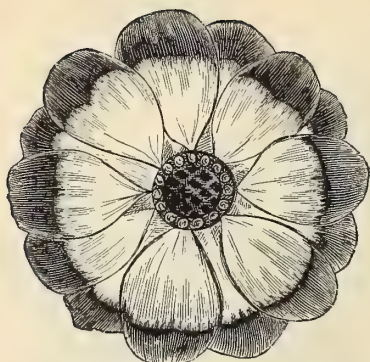
These are charming little compact-growing plants, admirably adapted for the summer decoration of the flower garden; may be successfully used as edgings or in rustic baskets; half-hardy perennial.

703	<i>Chænostoma</i> , many colors mixed.....	.05
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CHAMÆPEUCE.

Singularly beautiful, thistle-like plants; for borders are highly picturesque, while for centers of beds they are simply unique; half-hardy biennials.

705	<i>Chamæpeuce cassabona</i> (<i>Fish-bone Thistle</i>), glossy dark green foliage, covered with curious hairy spines; 1½ ft.	.10
706	— <i>diacantha</i> , handsome variegated foliage and yellow flowers; 1½ ft.	.10

No. 731.—*Cineraria*, Extra Choice.

No. CHELONE. Price.
Beautiful hardy, herbaceous plants, with showy Penstemon-like flowers, very effective in centers of beds, or groups in mixed borders; thrive in any rich soil; hardy perennial.

710 *Chelone barbata*, scarlet; 3 ft\$0.05

CHINESE PRIMROSE.

(See *Primula*.)

CHOROZEMA.

Desirable plants for the greenhouse, combining flowers of the most beautiful description with gracefulness of habit and great profusion of bloom. Soak the seeds in warm water a few hours before sowing; greenhouse shrubs.

712 *Chorozeema*, finest mixed..... 25

CHRYSANTHEMUM.

The tall, double-flowered, annual *Chrysanthemums*, when well grown, are amongst the most showy and effective of Summer-flowering border plants; to allow for individual development, they should be thinned out from twelve to eighteen inches apart. The dwarf kinds make showy bedding plants; hardy annuals.

715 *Chrysanthemum tricolor*, white with yellow band; very showy; 1 ft..... .05

716 — *Burridgeanum*, white with crimson band; beautiful; 1 ft..... .05

717 — *Dunnettii album fl. pl.*, immense double snow-white flowers; 1 ft..... .10

718 — — *aureum fl. pl.*, large double golden-yellow flowers; 1 ft..... .10

719 — *frutescens* (*Marguerite* or *Paris Daisy*). The white, star-like flowers of this variety, so popular for decorative purposes, are freely produced under the most ordinary culture; 1½ ft..... .20

720 — *Lord Beaconsfield*, crimson maroon edged and striped with a golden rim surrounding a rich brown eye..... .15

721 — *The Sultan*, rich velvety crimson maroon, with golden rim surrounding a dark brown center..... .15

The following are the well-known half-hardy perennial varieties so extensively grown in pots for late Autumn and early Winter flowering; no one should be without them:

725 *Chrysanthemum Indicum*, mixed; 3 ft..... .25

726 — — *nanum* (*Dwarf Pompon*), mixed..... .25

727 — *Japonicum*, quite distinct from the old varieties in the style of the flowers, which are of a peculiar form, in a great variety of colors..... .25

No. 745.—*Clarkia elegans*.

No. CINERARIA. Price.

Well-known favorite, free-flowering plants for the greenhouse, which may be had in splendid bloom through the greater portion of the year; and from the richness and diversity of the colors, are among the most valuable of our early Spring flowers; succeed best in light, rich, free, and open soil; greenhouse perennials.

730 *Cineraria dwarf*, a new German strain of compact growth, highly recommended....\$0.25

731 — *extra choice*, from prize flowers; this strain is unsurpassed in quality..... .50

732 — *fine mixed*, good colors..... .25

733 — *new double*, representing every shade of color, unquestionably one of the best of recent introductions..... 1.00

734 — *pure white*, for purity of color and size of flower it is unequalled..... .75

The following half-hardy perennial varieties of *Cineraria* are desirable for bedding and other purposes for which *Centaurea* is recommended.

740 *Cineraria acanthifolia*, silvery leaves, beautifully cut; 1 ft..... .15

741 — *maritima*, silvery foliage; 1½ ft..... .10

CLARKIA.

A beautiful tribe of favorite plants, with pretty, cheerful-looking flowers, growing freely and blooming profusely under almost any circumstances; hardy annuals.

745 *Clarkia elegans*, rosy purple; 2½ ft.. .05

746 — — *alba*, white; 2 ft..... .05

747 — — *alba plena*, double, pure white... .10

750 — *integripetala Tom Thumb*, rose crimson; 1 ft..... .05

751 — — — *alba*, white; 1 ft..... .05

752 — — — *marginata*, magenta, edged white; 1 ft..... .05

756 — *pulchella*, deep rose; 1½ ft..... .05

757 — — *fl. pl.*, double, rich magenta..... .10

758 — *fine mixed*, double and single..... .05

CLEMATIS.

Well-known rapid-growing, free-flowering, ornamental climbing shrubs, some of which are fragrant; admirably adapted for covering arbors, verandas, etc.; they succeed well in any good garden soil; hardy climbers.

765 *Clematis cirrhosa*, literally covers itself with white fragrant flowers..... .10

766 — *flammula*, white, fragrant; 20 ft..... .10

767 — *hybrida*, from Jackman's hybrids, the best of all *Clematis*..... .20

768 — *viticella*, purple; 20 ft..... .10

No. 785.—*Cobæa scandens*.No. 820.—*Convolvulus tricolor*.

CLIANTHUS. *Price.*
One of the most beautiful plants in cultivation, with neat compound leaves, and drooping clusters of large, rich scarlet, pea-shaped flowers, each flower being picturesquely marked with a large, black, cloud-like blotch in front; half-hardy shrub.
775 *Clanthus Dampierii*, magnificent; 3 ft. \$0.25

CLINTONIA.
Charming neat little Lobelia-like plants, producing a fine effect as edgings or on rock-work, in rustic baskets, vases, etc.; half-hardy annuals.
778 *Clintonia*, mixed colors; $\frac{3}{4}$ ft. .10

COBÆA.
A magnificent rapid-growing climber, with beautiful foliage and large bell-shaped flowers; trained on piazzas, arbors, etc., the effect is grand; half-hardy perennial.
785 *Cobæa scandens*, purple lilac; 20 ft. .10

COLEUS.
For the adornment of the greenhouse and sitting-room this plant is in great demand, and is also among the most popular plants for the flower-garden, either for groups, ribbon borders, or as single specimens.
790 *Coleus*, saved from the newest and most showy varieties; 2 ft. .50

COLLINSIA.
An exceedingly pretty, free-flowering, popular genus, remarkably attractive in beds, mixed borders, or ribbons; hardy annuals.
795 *Collinsia bicolor*, purple and white; 1 ft. .05
796 — — *alba*, pure white; 1 ft. .05
798 — — *multicolor marmorata*, white and rose; 1 ft. .05
800 — — *fine mixed*. .05

CONVOLVULUS MAJOR
(Morning Glory).
A well-known and beautiful free-flowering class of climbers, with brilliant and varied colored flowers, growing freely in almost any situation, and producing a splendid effect when grown on rock-work, stumps of trees, or banks, and when trained over trellis, rustic work, or against rough fences; hardy annuals.
810 *Convolvulus major*, blue. .05
811 — — *crimson*. .05
812 — — *striped*. .05
813 — — *white*. .05
818 — — *mixed*. .05
819 — — *Collection* of 10 distinct colors. .50

CONVOLVULUS TRICOLOR *Price.*
(Dwarf Convolvulus).

Remarkably showy plants, with exceedingly handsome, rich-colored flowers, producing in beds and mixed borders an unusually brilliant effect, either in distinct colors, ribboned, or mixed; hardy annuals.

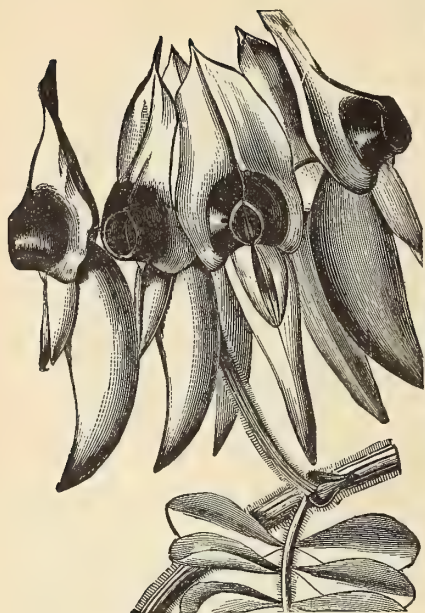
820 *Convolvulus tricolor*, **crimson violet**.
Flowers have a brilliant yellow eye encircled with a band of snowy white, margined with rich crimson violet. .010
821 — — **monstrosus**, deep violet purple. .05
822 — — **splendens**, rich violet, with white center. .05
823 — — **striped**, blue, beautifully striped with white, trailer. .05
824 — **Mauritanicus**, beautiful for hanging baskets and vases, flowers blue, very floriferous; hardy perennial. .15
825 — **unicaulis**, upright growth, with a compact head of flower buds, blossoms of rich purplish blue. .10
826 — **white**. .05
830 — **fine mixed varieties**. .05

COWSLIP.
Favorite, early, free-flowering plants, which should be extensively grown for filling the beds and borders of the Spring flower-garden; succeed best in rich soil; hardy perennials.
840 *Cowslip*, fine mixed varieties; $\frac{3}{4}$ ft. .10

CUCUMIS AND CUCURBITA.
(See under Ornamental Gourds).

CUPHEA.
A highly decorative plant, equally well adapted for the ornamentation of the conservatory or the flower border.
845 *Cuphea platycentra*, scarlet, white, and purple; half-hardy perennial; 1 ft. .10
846 — — **purpurea**, rosy scarlet, purple calyx, elegant; half-hardy annual; 1 ft. .10
847 — — **choice mixed**. .10

CYANUS (Centaurea).
Better known as *Bachelors' Buttons* and *Corn Flower*. Ornamental plants for shrubberies and mixed borders, and exceedingly useful where cut flowers are in demand; growing in any common soil; hardy annual.
850 *Cyanus*, mixed colors, viz., blue, pink, rich purple and striped; $1\frac{1}{2}$ ft. .05

No. 775.—*Clianthus Dampieri*.Nos. 929 and 930.—*Dianthus*, *Crimson Belle*
and *Eastern Queen*.No. 1005.—*Eschscholtzia Mandarin*.No. 1216.—*Helichrysum*.



No. 856.—*Cyclamen Persicum*.
Wiggins Prize.



No. 888.—*Datura fastuosa* Huberiana
varieties.

No.	CYCLAMEN.	Price.
A genus of the most beautiful and elegant Winter and Spring blooming plants, for pot culture in parlor or conservatory, universally admired. If sown early in Spring under glass, and well grown, will make flowering bulbs in one year.		
855	<i>Cyclamen Persicum</i> , fine mixed.....	\$0.25
856	— — <i>Wiggins prize</i> , very robust in habit, rich in color.....	.50
857	— — <i>giganteum</i> . An improved type, with broad, beautifully mottled leaves, immense flowers of great substance, pure white with violet-purple eye.....	.75
858	— — <i>choice mixed</i> , including those varieties that are hardier than <i>Persicum</i> , many of which are charming both in flower and foliage, and delightfully fragrant.....	.25

CYCLANTHERA.

A free-growing climber with handsome foliage and pretty oval-shaped fruit, exploding when ripe; half-hardy annual.

865	<i>Cyclanthera explosens</i> , 10 ft.....	.10
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CYPRESS VINE (*Ipomea Quamoclit*).

One of the most popular of all Summer climbers: flowers small, thickly set in a most beautiful dark-green foliage, forming a striking contrast; half-hardy annuals.

868	<i>Cypress Vine</i> , crimson, brilliant; 10 ft.....	.05
869	— — <i>rose</i> , very delicate.....	.05
870	— — <i>white</i> , for cemeteries.....	.05
871	— — <i>scarlet ivy-leaved</i> , graceful climber of rapid growth; the flowers, which are of fiery scarlet, are produced in great profusion during the whole summer.....	.10

DAHLIA.

Admirers of this noble plant may confidently depend upon the quality of this seed, it having been saved from the best varieties in cultivation; of various heights and colors; half-hardy perennial bulbs.

875	<i>Dahlia</i> , fine mixed.....	.10
876	— — <i>extra fine</i> , from prize flowers.....	.25
877	— — <i>new Lilliput</i> , dwarf, very beautiful.....	.25

DAISY (*Bellis Perennis*).

A well-known and favorite plant for the border or pot culture; half-hardy perennial.

880	<i>Daisy</i> , double white, pure white flowers, valuable for florists; $\frac{1}{4}$ ft.....	.25
881	— — <i>mixed</i> , saved from double flowers; $\frac{1}{4}$ ft.....	.25

No.	DATURA (Trumpet Flower).	Price.
An ornamental genus of plants, many of which possess attractions of the highest order. In large clumps or borders of shrubbery, they produce an excellent effect. The roots may be preserved in sand through the Winter in a dry cellar; half-hardy perennials.		

884	<i>Datura atrovioacea plenissima</i> , almost black, inside beautiful light purple.....	\$0.10
885	— — <i>ceratocaulon</i> , satin white, striped purple, sweet-scented, 2 ft.....	.10
886	— — <i>chiorantha fl. pl.</i> , golden yellow, fragrant; 2 ft.....	.10
887	— — <i>fastuosa alba</i> , pure white, double; 2 ft.....	.10
888	— — <i>Huberiana varietates</i> , splendid, mixed, from new varieties.....	.15
889	— — <i>meteloides (Wrightii)</i> , white bordered lilac, handsome; 2 ft.....	.10

DELPHINIUM

(Perennial Larkspur).

Plants remarkable for their great beauty, diversity of shades, and highly decorative qualities. They differ greatly in habit of growth, some producing magnificent spikes of flowers, while others are dwarf and completely covered with bloom. The principal color is blue, shading from the softest celestial to the darkest purple, while all are more or less shaded or marked with some other color.

(For annual varieties, see Larkspur.)

900	<i>Delphinium caelestinum</i> , blue; 2½ ft.....	.10
901	— — <i>elatum (Bee Larkspur)</i> , blue; 5 ft.....	.05
902	— — <i>formosum</i> , rich dark blue, with white center; 2½ ft.....	.10
903	— — <i>hybridum fl. pl.</i> double, mixed.....	.10
904	— — <i>nudicaule</i> , varying in color from light scarlet to a shade verging on crimson; very brilliant; 1½ ft.....	.25
905	— — <i>sinensis</i> , choice mixed.....	.10

DIANTHUS.

A magnificent genus, which embraces some of the most popular flowers in cultivation. *D. Chinensis* and its varieties may be considered the most beautiful and effective of our hardy annuals; the double and single varieties, with their rich and varied colors in beds or masses, are remarkably attractive; while the recently introduced varieties, with their large, richly colored flowers, close, compact habit, and profusion of bloom, are unsurpassed for effectiveness in beds or mixed borders.

No. 902.—*Delphinium formosum*.No. 916.—*Dianthus Chinensis fl. pl.*

No. DIANTHUS.—Cont'd. Price.

ANNUAL AND BIENNIAL VARIETIES.

- 915 *Dianthus Chinensis* (China or Indian Pink), single, many colors mixed; showy...\$0.05
 916 — — fl. pl., a splendid mixture; producing a large proportion of double flowers.... 10
 917 — *Heddevigii*, color varies from the richest velvety crimson to the most delicate rose; a magnificent variety; 1 ft..... 10
 918 — — fl. pl., double variety of the preceding, very showy; 1 ft..... 15
 919 — — *diadematus*, fl. pl., of dwarf, compact habit, of various tints of rose, maroon, and purple, one of the best of its species: 1 ft. 15
 920 — — *lacinatus*, beautifully fringed, finest colors mixed; 1 ft..... 10
 921 — — fl. pl., a double variety of the preceding, in splendid colors; 1 ft..... 15
 922 — *imperialis*, fl. pl. (Double Imperial Pink), many colors mixed..... 10
 928 — choice dwarf varieties, mixed..... 10
 929 — *Crimson Belle*, vivid crimson-lake flowers, large and beautifully laced; 1 ft... 25
 930 — *Eastern Queen*, beautifully marbled, unique and attractive; 1 ft..... 25

PERENNIAL VARIETIES.

- 931 *Dianthus atrorubens*, dark red; 1 ft.. 10
 — *barbatus* (see *Sweet William*).
 932 — *deltoides*, pink and white mixed, showy, fine for edging; ½ ft..... 05
 933 — *dentatus*, a mass of pretty rosy-lilac flowers, a perfect gem; 1 ft..... 10
 934 — *Gardnerianus*, various colored, finely fringed, double flowers, fragrant..... 10
 935 — *Moschatus*, fl. pl. (Double Garden Pink), saved from choice double varieties... 25
 940 — choice mixed perennial varieties.... 10
 942 — Collection of 12 distinct varieties.... 60

DIDISCUS.

- A pretty plant, from Australia; half-hardy annual.
 950 *Didiscus cœruleus*, blue; 1½ ft..... 05

DIGITALIS (Foxglove).

Very ornamental and exceedingly showy plants for shrubberies and other half-shady places; hardy perennials.

- 954 *Digitalis alba*, pure white; 3 ft..... 05
 955 — *lutea*, golden yellow; 3 ft..... 05
 956 — *purpurea*, purple, spotted; 3 ft..... 05
 957 — *gloxinoides*, splendid large-flowered variety; brilliant colors, mixed; 4 ft..... 10

No. DOLICHOS (Hyacinth Bean). Price

A beautiful class of quick-growing ornamental climbers, often growing fifteen to twenty feet in a season; producing an abundance of clustered spikes of purple and white flowers, which are followed by exceedingly ornamental seed-pods; tender annuals.

- 968 *Dolichos lablab*, purple.....\$0.05
 969 — — *alba*, white..... 05

ECCREMOCARPUS (Calampelis).

A rapid-growing plant, with compact and pretty foliage, from which issue numerous clusters of handsome tube-shaped flowers; invaluable for covering the stumps of old trees, unsightly walls, etc.; half-hardy perennial.

- 975 *Eccremocarpus scaber*, orange; 10 ft. 10

ECHEVERIA.

Very popular plants for bedding or pot culture, their large, massive, succulent, peculiarly colored leaves never failing to engage attention. A group composed of the different varieties can be made one of the most attractive spots in the flower garden.

- 977 *Echeveria metallica*, broad, large, succulent leaves, beautifully shaded with a purplish glaucous hue..... 50
 978 — *secunda glauca*, silvery-gray foliage; handsome..... 50

EPACRIS AND ERICA.

Well-known, beautiful and interesting greenhouse shrubs, their profusion of bloom rendering them very effective.

- 985 *Epacris*, mixed, saved from finest varieties; 3 ft..... 25
 986 *Erica* (Cape Heaths), saved from choicest greenhouse varieties; 2 ft..... 25

ERYSIMUM.

Very showy, free-flowering, handsome, hardy annuals, very effective in beds, mixed borders, or ribbons; succeed in light rich soil.

- 990 *Erysimum Arkanianum*, sulphur yellow, very handsome: 1½ ft..... 05
 991 — *Perofskianum*, orange; 1½ ft..... 05

ERYTHRINA.

A splendid genus of half-hardy shrubs, with fine leaves and beautiful brilliant scarlet flowers; they grow freely out-of-doors if planted in a warm situation.

- 995 *Erythrina corallodendron* (Coral Tree), scarlet; from West Indies; 6 ft..... 25
 996 — *crista-galli*, scarlet; from Brazil..... 25



No. 1034.—Forget-me-not.



No. 1052.—Gaillardia Picta Lorenziana.

No.	ESCHSCHOLTZIA.	Price.
	An exceedingly showy, profuse-flowering genus of plants, with extremely rich and beautiful colors; attractive for bedding, massing, or ribboning; light rich soil; hardy annuals.	
1000	<i>Eschscholtzia Californica</i> , bright yellow, with rich orange center; 1 ft.	\$.05
1001	— <i>alba fl. pl.</i> , a new double white variety of remarkable beauty.	.25
1002	— <i>carminea</i> (<i>grandiflora rosea</i>), a charming variety, with large flowers of intense carmine; blooms until late in the Fall.	.25
1003	— <i>crocea</i> , rich orange; 1 ft.	.05
1004	— <i>alba</i> , creamy white; $\frac{1}{2}$ ft.	.05
1005	— <i>Mandarin</i> . The inner side of the petals is of a rich orange color; the outer side being the brilliant scarlet known as the mandarin scarlet.	.15
1010	— <i>mixed colors</i>	.05

EUPHORBIA.

A showy border plant, with foliage veined and margined with white; very attractive; hardy annual.

1015	<i>Euphorbia variegata</i> , white.	.05
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EUTOCA.

Showy and free-flowering plants, from California, suitable for beds or mixed borders; hardy annuals.

1018	<i>Eutoca multiflora</i> , pink, a profuse bloomer; $1\frac{1}{2}$ ft.	.05
1019	— <i>viscida</i> , bright blue; 1 ft.	.05

ETERNAL OR EVERLASTING FLOWERS.

Ornamental border plants, the blossoms of which are extensively used for Winter bouquets; hardy annuals. (*See Helichrysum, etc.*)

1020	<i>Eternal flowers</i> , many varieties and species mixed.	.10
1021	— <i>Collection</i> , twelve distinct varieties.	.75

FENZLIA.

A splendid profuse-blooming neat little plant, gracefully beautiful for pot culture, and very effective in beds; requires considerable moisture; hardy annuals.

1024	<i>Fenzlia dianthiflora</i> , rosy lilac; $\frac{3}{4}$ ft.	.25
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FERNIS.

This graceful and magnificent order is too well known and highly appreciated to need description; from the seed we offer the amateur has the certainty of raising many graceful varieties.

1028	<i>Fernis</i> , mixed, from choicest varieties.	.25
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No.

Price.

FORGET-ME-NOT (*Myosotis*.)

A favorite and well-known border plant, flowers early, blooms freely, and is indispensable for Spring gardening; half-hardy perennial.

1034	<i>Forget-me-not</i> , fine mixed varieties.	\$.10
	— <i>in variety</i> (<i>see Myosotis</i>).	

FRAXINELLA.

Handsome, very fragrant, free-flowering, herbaceous plants, suitable for mixed borders; succeed in any common soil; hardy perennial.

1040	<i>Fraxinella</i> , white; 2 ft.	.05
1041	— <i>red</i> ; 2 ft.	.05

FRENCH HONEYSUCKLE

(*Hedysarum Coronarium*).

A free-growing, exceeding showy border plant, of easy culture; bears racemes of attractive pea-formed flowers; hardy biennial.

1044	<i>French Honeysuckle</i> , red and white.	.05
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FUCHSIA.

Well-known plants, of easy culture in pots, for conservatory or parlor decoration, or the open border; they are as easily grown from seed as from cuttings, while raising from choice seed has the advantage of obtaining many improved varieties; greenhouse perennial.

1046	<i>Fuchsia</i> , from choice named varieties.	.50
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GAILLARDIA.

Splendid bedding plants, remarkable for the profusion, size, and brilliancy of their flowers, continuing in beauty during Summer and Autumn; hardy annuals.

1050	<i>Gaillardia</i> , choice mixed, annual varieties, rich colors; $1\frac{1}{2}$ ft.	.05
1051	— <i>Richardsoni</i> , orange with brown center; hardy perennial; $1\frac{1}{2}$ ft.	.05
1052	— <i>Picta Lorenziana</i> . (New Double Gaillardia.) As an ornamental plant, and on account of its long duration of bloom and its usefulness for cut-flowers, this variety cannot be too highly recommended. The colors offered (in mixture) comprise sulphur yellow, golden yellow, orange, amaranth, and claret.	.50

GENTIANA.

These rank foremost amongst our earliest and loveliest Spring-flowering plants, very useful as edging or rock plants; they should be grown in good rich soil, to which has been added a considerable portion of peat earth; hardy perennials.

1058	<i>Gentiana</i> , fine mixed.	.15
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No. 1112.—Gloxinia.



No. 1118.—Edelweiss.

GERANIUM (Pelargonium). *Price.*

These well-known favorites are as indispensable for in-door as for out-of-door decoration, and should be extensively cultivated; the seed we offer having been saved from first-class varieties, the amateur has a fair chance of raising many charming novelties; greenhouse perennial.

- 1060 **Geranium, apple-scented**, a well-known favorite variety.....\$.25
 1061 — **fancy**, choice greenhouse varieties... .50
 1062 — **ivy-leaved**, the graceful beauty of foliage renders these household pets..... .25
 1063 — **large-flowered**, from prize varieties .50
 1064 — **scarlet**, fine mixed......10
 1065 — **zonale**, choicest hybridized variegated varieties, embracing all the gold and silver, tricolor, and bronze sorts..... .50

We have succeeded in saving a limited quantity of seed from our own superior collection of American Seedling Geraniums, and we confidently offer it as being of a quality that cannot be surpassed. Only such plants as were perfect in every feature were selected for seed, and all were artificially fertilized with the greatest care. We believe the double will produce from 75 to 90 per cent. of double-flowering varieties, while the single will retain all the excellence of the parent plants.

- 1068 **Geranium, double**.—Packet of 20 seeds .50
 1069 — **single**.—Packet of 25 seeds..... .50

GESNERA.

Beautiful hot-house plants, producing their brilliant flowers in handsome spikes; tender perennial.

- 1074 **Gesnera**, choicest varieties mixed; 1 ft. .25

GILIA.

Very pretty dwarf annuals; bloom in almost any situation, grow well in pots, and may be placed in a rockery; hardy annuals.

- 1080 **Gilia achilleæfolia**, lilac; 1½ ft..... .05
 1081 — **capitata**, celestial blue; ¾ ft..... .05
 1082 — **nivalis**, snow white; ¾ ft..... .05
 1083 — **tricolor**, white, lilac, and purple..... .05
 1088 — **mixed**, all colors..... .05

GLADIOLUS.

The seed offered has been carefully saved from the finest named hybrids of Gandavensis; half-hardy bulbs.

- 1090 **Gladiolus**, choice mixed..... .25
 1091 — **New Hybrid**, very select, saved from G. Lemoine, Frébelli, etc..... .25
 1092 — **small bulbs**, from named varieties.. .15
 For list of named varieties, see Summer Flowering Bulbs, on 49 and following pages.

GLAUCIUM. *Price.*

Effective border plants, popularly called *Horn-poppies*, and among the prettiest of our white-foliaged plants; their elegantly indented glaucous green leaves make them attractive at all seasons; hardy perennials.

- 1094 **Glaucium**, fine mixed.....\$.10

GLOBE AMARANTHUS (Gomphrena).

Handsome everlastings, with showy flowers, which may be cut and preserved for Winter decorations; they are exceedingly beautiful plants for conservatory decoration, and when well grown in small pots are a pleasing feature in the sitting-room; half-hardy annuals.

- 1098 **Globe Amaranthus**, flesh color; 3 ft.. .05
 1099 — — **golden yellow**; 2 ft..... .05
 1100 — — **orange**; 2 ft..... .05
 1101 — — **red**; 2 ft..... .05
 1102 — — **variegated**, striped rose and white .05
 1103 — — **white**; 2 ft..... .05
 1104 — — **globosa nana compacta**, a distinct new variety of dense bushy habit; flowers a rich deep violet red; excellent for pot culture..... .15
 1110 — — **fine mixed**..... .05

GLOXINIA.

A superb genus of greenhouse plants, producing in great profusion beautiful flowers, of the richest and most brilliant colors; thrive best in sandy peat and loam; stove perennial bulbs.

- 1112 **Gloxinia**, choicest mixed, from the finest erect and drooping varieties..... .50

GNAPHALIUM.

Everlastings of great beauty and easily grown; indispensable for Winter bouquets and decorations, for which purpose the blossoms should be gathered when on the point of opening, and dried in the shade; half-hardy perennial.

- 1116 **Gnaphalium fetidum**, citron yellow, very handsome; 2 ft......10
 1117 — **decurrens**, a recent introduction of branching growth, 8 to 10 inches high, with a main flower-stalk 24 to 30 inches in height. Flowers white, and produced in thick clusters. It is a charming Immortelle, and grows freely in any garden soil..... .25
 1118 — **leontopodium (Edelweiss)**. The flowers are pure white, star-shaped, and of a downy texture. This is the true Edelweiss of the Alps, well-known and so much prized by tourists in Switzerland..... .25



No. 1175. Fine Mixed Gourds.

No. 1141.—*Cucumis Dipsaceus*.

No.	GODETIA.	Price.
A very desirable, free-flowering genus, attractive in beds, mixed borders, and ribbons; hardy annuals.		
1122	<i>Goderia alba</i> , pure white; 1½ ft.	\$0.05
1123	— <i>Lady Albemarle</i> , intense carmine crimson, compact habit, very beautiful; 1 ft.	.15
1124	— <i>Lindleyana fl. pl.</i> , purple; 1½ ft.	.05
1125	— <i>The Bride</i> , white, with a rich carmine center; 1½ ft.	.05
1126	— <i>Whitneyi</i> , pearly satin white; 1½ ft.	.05
1130	— <i>fine mixed</i>	.05

GOURDS (Ornamental).

(Including *Cucumis* and *Cucurbita*.)

The varieties in this collection have been selected either for the ornamental character of their foliage, the singularity or symmetry of their fruit, or the variety and peculiarity of their coloring; some are of very large size and of curious form, while others are miniatures of various forms. The growth is as diversified as the fruit; some are vigorous growers, others slender and delicate. Wherever grown they never fail to excite admiration. Cultivation the same as for squashes or melons.

1140	<i>Cucumis Anguria</i> , small yellow fruit, growing in pairs.	.10
1141	— <i>dipsaceus</i> , yellow, teasel-like.	.10
1142	— <i>flexuosus</i> , snake cucumber.	.10
1143	— <i>medulliferus</i> , scarlet, thorny.	.10
1144	— <i>Melo Chito</i> , variegated, brown and yellow, small oval fruit, very pretty.	.10
1145	— <i>perennis</i> , foliage highly ornamental.	.10
1150	<i>Cucurbita argyrosperma</i> , fruits large and finely striped or mottled.	.10
1151	— <i>digitata</i> , foliage marbled with white, fruits dark green, striped white.	.10
1152	— <i>leucantha</i> , long curious fruit.	.10
1158	<i>Gourd</i> , apple-striped, very ornamental.	.10
1159	— <i>bottle</i> , well-known and very useful.	.15
1160	— <i>miniature</i> , ornamental.	.15
1161	— <i>dipper</i> , a favorite variety.	.10
1162	— <i>egg-shaped</i> , resembles an egg.	.10
1163	— <i>gooseberry</i> , very pretty.	.10
1164	— <i>Hercules' club</i> , large club-shaped.	.10
1165	— <i>lemon</i> , showy.	.10
1166	— <i>miniature</i> , orange and green striped, very ornamental, one of the best.	.10
1167	— <i>orange</i> , well-known sort.	.10
1168	— <i>pear-shaped</i>	.10
1169	— <i>sugar trough</i> , immense size, holds several gallons.	.10
1175	— <i>fine mixed</i> , from a large collection.	.15
1176	— <i>Collection</i> of 12 distinct varieties.	.60

No. 1164.—*Gourd, Hercules' Club*.

No.	GRAMMANTHES.	Price.
Beautiful miniature plants for rock-work or rustic baskets, yielding a profusion of star-shaped flowers; half-hardy annual.		
1180	<i>Grammanthes gentianoides</i> , rich orange scarlet; ½ ft.	\$0.15

GRASSES (Ornamental).

For full list of all the most desirable varieties, see special list at page 45.

1182	<i>Collection</i> of 12 distinct varieties.	.50
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GUNNERA.

A very showy, ornamental-foliated plant, with leaves of an immense size, presenting a striking appearance; succeeds best in rich loamy soil, and requires protection in Winter; from the Cape of Good Hope; half-hardy perennial.

1184	<i>Gunnera scabra</i> , flowers greenish yellow, curious foliage; 2 ft.	.25
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GYPSOPHILA.

A pretty, free-flowering, elegant little plant, best adapted for rustic rock-work, baskets, and edgings, succeeding in any garden soil; hardy annuals.

1185	<i>Gypsophila elegans</i> , white and pink; fine for table bouquets; 1½ ft.	.10
1186	— <i>muralis</i> , a charming little plant, covered with red flowers, which contrast beautifully with its graceful foliage; ½ ft.	.10

HAWKWEED.

Remarkably showy and effective on rock-work, in beds or masses in mixed borders; hardy annuals.

1190	<i>Hawkweed</i> , mixed colors.	.05
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HELIANTHUS (Sun-flower).

A well-known genus of the most showy plants, remarkable for their stately growth and the brilliancy and size of their flowers; hardy annuals.

1195	<i>Helianthus argophyllus</i> , yellow, double, leaves silky white; 5 ft.	.05
1196	— <i>Californicus</i> , orange, extra large, and double; from California; 5 ft.	.05
1197	— <i>green centered</i> , yellow, very double, with a conspicuous green center; 4 ft.	.10
1198	— <i>Russian mammoth</i> , very large.	.05
1199	— <i>nanus foliis variegatis</i> , a dwarf variety; with variegated foliage.	.15
1200	— <i>Oscar Wilde</i> , a small black-centered variety of great utility as a bedder and most attractive as a corsage flower.	.15
1204	— <i>fine mixed</i>	.10

No. 1225.—*Heliotropium*.No. 1265.—*Ice Plant*.

No. HELICHRYSUM. Price.

Exceedingly handsome and ornamental plants for mixed borders, and peculiarly desirable as dried specimens; handsome bouquets and festoons may be formed of them for in-door decorations during Winter; hardy annuals.

1205	<i>Helichrysum bracteatum album</i> , white; 2 ft.	\$.10
1206	— <i>aureum</i> , golden yellow; 2 ft.	.10
1207	— <i>nanum atrococcineum</i> , dwarf, rose	.10
1208	— <i>atrosanguineum</i> , dwarf, red; 1 ft.	.10
1209	— <i>monstrosum album</i> , fl. pl., double white; 2 ft.	.10
1210	— <i>luteum</i> , fl. pl., double yellow.	.10
1211	— <i>purpureum</i> , fl. pl., purple; 2 ft.	.10
1212	— <i>roseum</i> , fl. pl., double rose; 2 ft.	.10
1215	— <i>minimum</i> , very dwarf, mixed.	.10
1216	— <i>fine mixed varieties</i> .	.10
1217	— <i>Collection of 10 splendid varieties</i> .	.60

The following three varieties have elegant silvery-gray foliage, and ball-like tufts of flowers, resembling the yellow *Immortelles*; they do well in pots, and are very decorative out of doors in sunny situations.

1218	<i>Helichrysum brachyrhynchum</i> , lemon yellow; $\frac{1}{2}$ ft.	.10
1219	— <i>elegans</i> , yellow; 1 ft.	.10
1220	— <i>strictum</i> , yellow; 1 ft.	.10

HELIOTROPE.

A well-known genus of profuse-flowering and deliciously fragrant plants, splendid for bedding or ribboning, and for baskets or pot culture; seeds sown in Spring make fine plants for Summer and Autumn decoration; half-hardy perennial.

1225	<i>Heliotrope</i> , finest mixed.	.10
1230	— <i>Collection of 6 choice varieties</i> .	.50

HELIPTERUM.

For Summer blooming, or for Winter bouquets, a valuable border plant; tender annuals.

1235	<i>Helipterum anthemoides</i> , white, graceful habit; 1 ft.	.15
1236	— <i>Sanfordii</i> , of dwarf, tufted habit, round clusters of yellow flowers; $\frac{3}{4}$ ft.	.15

HIBISCUS.

One of the most ornamental, beautiful, and showy genera of plants cultivated; characterized by the size, and varied and beautiful colors of their flowers; hardy annual.

1240	<i>Hibiscus Africanus</i> , cream color, rich brown center; 1 $\frac{1}{2}$ ft.	.05
1241	— <i>choice mixed</i> , saved by an eminent grower from splendid varieties; all perfectly hardy.	.15

No. HOLLYHOCK. Price.

This splendid plant now ranks with the Dahlia for Autumn decoration, and from its stately growth and the varied colors of its magnificent spikes of flowers, may justly demand a place in every large garden or pleasure ground. If sown early in heat the plants may be in bloom the first year; hardy perennials.

1245	<i>Hollyhock</i> , choice mixed, saved from Chater's prize varieties.	\$.25
1246	— <i>fine mixed</i> .	.10
1247	— <i>white</i> , double, valuable for florists.	.25
1248	— <i>Chinese scarlet</i> , an annual variety; very showy.	.10
1250	— <i>Collection of 12 distinct colors</i> , saved from Chater's prize varieties.	1.50

HONESTY (*Lunaria*).

Early Summer free-flowering plants, with silvery seed-pods, much admired for Winter decoration with ornamental grasses, etc.; hardy biennials.

1252	<i>Honesty</i> , purple, very showy; 2 ft.	.05
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HUMEA.

A remarkably handsome plant, invaluable for decorative purposes, whether in the conservatory or dispersed in pots about the lawn, planted in the centers of beds or mixed borders, its majestic and graceful appearance renders it a most effective and striking object; half-hardy biennial.

1256	<i>Humea elegans</i> , red; 3 ft.	.15
1257	— <i>albida</i> , the panicles of this variety are of a whitish shade; very effective, and useful for bouquets.	.25

IBERIS (*Perennial Candytuft*).

Profuse-blooming pretty little plants, especially adapted for rockeries, old stumps, or rustic baskets; they come into flower amongst the earliest Spring plants, and for a long time continue a dense mass of beauty; hardy perennials.

1260	<i>Iberis sempervirens</i> , pure white; $\frac{1}{2}$ ft.	.05
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ICE PLANT

(*Mesembryanthemum crystallinum*).

A pretty little trailing plant, much used for garnishing, the leaves of which are covered with crystalline globules, thus giving it the appearance of being coated with ice; half-hardy annual.

1265	<i>Ice Plant</i> , white, very effective.	.05
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IONOPSIDIUM.

A charming early-flowering plant, growing best in moist, shady situations; excellent for edging and rock-work, also a neat pot plant; hardy annual.

1268	<i>Ionopsidium acaule</i> , sky blue; $\frac{1}{4}$ ft.	.10
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No. 270.—*Adlumia cirrhosa*.



No. 582.—Candytuft, New Carmine.



No. 1245.—Double Hollyhock.

No. 1273.—*Ipomoea hederacea superba*.No. 1295.—*Ipomopsis*.**No. IPOMCEA (Convolvulus). Price.**

Of all flowers in general cultivation, this ranks pre-eminent for delicate and intrinsic beauty; the brilliant and varied hues of its many species and varieties are exceedingly beautiful, and its fine foliage and graceful form render it an indispensable ornament for greenhouse, conservatory, or garden decoration.

ANNUAL VARIETIES.

- 1270 *Ipomœa Bona Nox* (*Evening Glory*), satin rose, large, fragrant blossoms, which expand in the evening; 10 ft. \$0.10
 1271 — *coccinea* (*Star Ipomœa*), scarlet, small flowers, in great profusion; 8 ft.10
 1272 — *fol. marmoratis*, Japanese varieties, foliage beautifully mottled; mixed colors10
 1273 — *hederacea superba*, ivy-like foliage, very showy, mixed colors; 8 ft.10
 1274 — *limbata elegantissima*, rich bluish purple center in the form of a star, with broad pure white margin15
 1277 — *rubro cœrulea*, sky blue, large, handsome flowers; 10 ft.10
 1278 — — *alba*, pure white; 10 ft.10
 1280 — *Collection* of 10 distinct varieties... .75

PERENNIAL VARIETIES.

- 1282 *Ipomœa Learii*, rich blue, changing to red, magnificent; from Ceylon; 20 ft.25
 1283 — *leptophylla*, a native variety; from Colorado, forming a bushy mass about three feet in height; rosy purple15
 1284 — *Mexicana grandiflora alba*, immense white flowers, deliciously fragrant... .15

IPOMOPSIS.

Handsome free-flowering plants, with long spikes of dazzling flowers, very effective for conservatory and outdoor decoration: half-hardy biennials.

- 1290 *Ipomopsis aurantiaca*, orange; 3 ft.05
 1291 — *picta*, orange, scarlet and gold; 3 ft.05
 1292 — *sanguinea*, scarlet, very brilliant... .10
 1295 — *fine mixed varieties*10

IRIS KEMPFERI.

Amongst thoroughly hardy plants the fine varieties of this species are unsurpassed; the flowers, which are of immense size and heavy texture, embrace a marvellous range of color; hardy perennials.

- 1300 *Irish Kampeferi*, all colors mixed.15

JACOBÆA (Senecio).

A useful and exceedingly showy class of gay-colored, profuse-blooming plants; hardy annuals.

- 1305 *Jacobæa*, fine mixed double varieties.10

No. KAULFUSSIA. Price.

Pretty little free-flowering plants of a neat, compact growth, exceedingly effective in beds or mixed borders; hardy annuals.

- 1310 *Kaulfussia amelliodes atroviolacea*, intense violet, very attractive; $\frac{1}{2}$ ft. \$0.05
 1311 — — *alba*, white; $\frac{1}{2}$ ft.05
 1312 — — *kermesina*, crimson; $\frac{1}{2}$ ft.05
 1313 — — *rosea*, rose; $\frac{1}{2}$ ft.05

KENILWORTH IVY

(*Linaria cymbalaria*).

Admirably adapted for culture in baskets, pots, or vases, and for the ornamentation of rock-work it is unsurpassed; hardy perennial.

- 1320 *Kenilworth Ivy*, lilac; $\frac{1}{2}$ ft.15

LANTANA.

A remarkably handsome, free-flowering genus of plants with brilliantly colored flowers, constantly changing in hue; very effective, either for pot culture or for bedding.

- 1325 *Lantana*, finest varieties mixed.15

LARKSPUR (Delphinium).

Extremely ornamental plants of great beauty, combining the richest possible variety of brilliant and effective colors, with great duration and profusion of bloom. For large beds on lawns, or masses and mixed flower borders, also for cut flowers, the taller growing varieties are the most desirable; hardy annuals.

(For perennial varieties, see *Delphinium*.)

- 1330 *Larkspur, Bismark*, a beautiful red-striped variety of great merit; 1 ft.10
 1331 — — *candelabrum*, double, mixed; $1\frac{1}{2}$ ft.05
 1332 — — *Collection* of 6 distinct colors50
 1333 — — *double dwarf rocket*, fine mixed... .05
 1334 — — *Collection* of 10 distinct colors... .50
 1335 — — *tall rocket*, fine mixed05
 1336 — — *Collection* of 8 distinct varieties.50
 1337 — *Emperor*, a profuse bloomer, very double, mixed colors; 1 ft.10
 1338 — — *ranunculus-flowered*, very double, extra fine; 1 ft.05
 1339 — — *Stock-flowered*, tall, mixed; $2\frac{1}{2}$ ft.05
 1340 — — *Collection* of 8 distinct varieties.50
 1341 — — *tricolor elegans*, rose, white, and blue, very handsome; $2\frac{1}{2}$ ft.05

LATHYRUS (Everlasting Pea).

Showy, free-flowering plants, growing in common soil; very ornamental on trellis-work, old stumps, fences, or walls; hardy perennials.

- 1345 *Lathyrus*, mixed colors, 5 ft.13

No. 1400.—*Lobelia erinus*.No. 1392.—*Loasa aurantiaca*.

No. LAVATERA. Price.
Free-flowering handsome plants, exceedingly effective when used as a background to other plants; hardy annuals.

1350 *Lavatera*, rose and white, mixed, 3 ft. \$0.05

LAVENDULA (Lavender).
A genus of plants chiefly cultivated on account of the delicious fragrance of their flowers; they succeed in any common soil; hardy perennial.

1355 *Lavendula spica*, lilac; 2 ft. .05

LEPTOSIPHON.
Of rare beauty both in flower and foliage, exceedingly attractive in beds or ribbons, while the dwarf sorts are well adapted for rock-work or edgings; hardy annuals.

1358 *Leptosiphon aureus*, yellow; $\frac{1}{2}$ ft. .05
1359 — *densiflorus*, rosy lilac; 1 ft. .05
1360 — *albus*, white; 1 ft. .05
1361 — *hybridus*, mixed colors. .10

LILIUM.
Too well known to need description. As the seeds often lie dormant for months, it is best to sow in boxes or pots, where they will not be disturbed. Although a slow process, the raising of this class from seed is highly interesting to amateurs. For Bulbs, refer to our complete collection in another part of this catalogue, which embraces every desirable variety, including all recent introductions.

1367 *Lilium tenuifolium*. This splendid scarlet lily does better from seed than either of the other varieties. .25
1368 — *choice mixed*, from best varieties. .25

LIMNANTHES.
Easily grown, free-flowering, slightly fragrant plants, excellent for beds or edgings in damp shady places; hardy annuals.

1372 *Limnanthus*, mixed colors; $\frac{1}{2}$ ft. .05

LINUM.
One of the most effective and showy bedding plants we have; habit of growth is slender and delicate.

1378 *Linum grandiflorum coccineum*, rich scarlet-crimson, with dark black center; hardy annual; 1 ft. .05

1379 — *luteum corymbiflorum*, straw color, half-hardy annual; $1\frac{1}{2}$ ft. .10

The three following varieties are charming hardy perennials, graceful and effective.

1380 *Linum Lewisii*, blue, white striped. .10
1381 — *perenne album*, pure white. .10
1382 — — *roseum*, delicate rose. .10

No. LOASA (Caiophora). Price.
A handsome genus of rapid-growing, free-flowering climbers, with curious and beautiful flowers, which must not be handled, nor any part of the plant, without gloves, as the hairs sting.

HARDY ANNUAL VARIETIES.
1390 *Loasa tricolor*, yellow; 3 ft. \$0.10
1391 — *vulcanica*, elegant white star-like flowers of peculiar shape; 4 ft. .25

HALF-HARDY PERENNIAL VARIETIES.
1392 *Loasa aurantiaca*, orange; 4 ft. .10
1393 — *Herbertii*, scarlet; 4 ft. .10

LOBELIA.
Exceedingly pretty, profuse-blooming plants, of great value and importance to the flower garden. The low growing kinds make the most beautiful edgings. All the varieties of *L. erinus* are valuable for hanging-baskets, rustic-work, or vases, over the edges of which they droop in the most graceful and elegant manner. The perennial varieties are exceedingly ornamental, and are valuable from their blooming in Autumn.

ANNUAL VARIETIES.
1400 *Lobelia erinus*, deep blue; $\frac{1}{2}$ ft. .10
1401 — — *alba*, pure white; $\frac{1}{2}$ ft. .10
1402 — — *erecta bicolor*, compact, bushy habit, with erect branches, giving the plant almost the shape of a ball; flowers white and blue. .10
1403 — *Paxtoniana*, pure white, with sky blue belt; $\frac{1}{2}$ ft. .10
1404 — *gracilis*, celestial blue; $\frac{1}{2}$ ft. .10
1405 — — *alba*, pure white; $\frac{1}{2}$ ft. .10
1406 — — *roscia*, delicate rose; $\frac{1}{2}$ ft. .10
1407 — *ramosa (heterophylla)*, deep blue. .10
1408 — — *alba*, white; $\frac{1}{2}$ ft. .10
1409 — *speciosa (Crystal Palace variety)*, deep blue, extremely beautiful; $\frac{1}{2}$ ft. .10
1410 — — *kermesina*, rosy crimson; $\frac{1}{2}$ ft. .10
1414 — *mixed varieties* of uniform height. .10
1415 — *Collection* of 10 distinct varieties. .75

PERENNIAL VARIETIES.
These are conspicuously beautiful border plants, the richness of color rendering them remarkably striking.

1416 *Lobelia cardinalis*, brilliant scarlet. .10
1418 — *hybrids of Fulgens and Cardinalis*, splendid shades of color, both in foliage and flower; blooms from July to October; 2 ft. .25
1419 — *Queen Victoria*, dark mulberry foliage, deep scarlet flowers; 2 ft. .25

No. 1425.—*Lophospermum scandens*.

- No. LOPHOSPERMUM. Price**
 An exceedingly beautiful and highly ornamental genus of climbers, with handsome, showy, fox-glove-like flowers; may be used with advantage for hanging-baskets; half-hardy perennial.
 1425 *Lophospermum scandens*, rosy purple, very fine trellis-plant; 6 ft.\$0.15

LUPINUS.

A splendid genus of ornamental, beautiful, and free-flowering garden plants, with long, graceful spikes of pea-shaped blossoms; colors rich and varied; hardy annuals.

- 1439 *Lupinus affinis*, blue, white, and purple; $\frac{1}{2}$ ft.05
 1431 — *albo-coccineus*, rich rosy red half-way of the spike, from thence to the apex pure white; 1 ft.10
 1432 — *Cruikshankii*, blue, white, and yellow; 3 ft.05
 1433 — *mutabilis*, changeable colors; 2 ft.05
 1434 — *pubescens elegans*, purple, violet, and white; $1\frac{1}{2}$ ft.10
 1438 — *mixed annual varieties*05
 1439 — — *perennial varieties*05
 1440 — *Collection of 12 choice varieties*60

LYCHNIS.

A genus of handsome and highly ornamental plants, of easy culture; strikingly effective in mixed flower and shrubby borders; good rich soil; hardy perennials.

- 1445 *Lychnis Chalcedonica*, scarlet; 2 ft.05
 1446 — — *alba*, white; 2 ft.05
 1447 — *Haageana*, bright scarlet, splendid.10
 1448 — — *hybrida*, various shades.10
 1449 — *viscaria splendens*, rose pink, 1 ft.10

LYGODIUM SCANDENS
(Japanese Climbing Fern).

A graceful climber, growing to an indefinite length; easy of culture, and adapted for decoration in the same manner as *Smilax*, which plant it rivals in durability after being cut; tender perennial.

- 1455 *Lygodium scandens*25

LYTHRUM.

Very showy plant, with long spikes of beautiful flowers; very effective in mixed borders; this is an attractive and stately plant, and deserves a place in every collection; hardy perennial.

- 1458 *Lythrum roseum superbum*, pink, very desirable; 3 ft.05

No. 1466.—*Malope trifida*.

- No. MALOPE. Price**
 Handsome plants, of a branching habit, producing their large flowers in great profusion; very effective in mixed borders; succeed in common garden soil; hardy annuals.
 1465 *Malope grandiflora*, crimson; 2 ft.05
 1466 — *trifida alba*, white; 2 ft.05

MALVA OR MALLOW.

Showy and free-flowering border plants, succeeding in any common garden soil; hardy annuals.

- 1469 *Malva zebrina*, white and purple, striped; very showy; $2\frac{1}{2}$ ft.05
 1470 — *moschata*, rose, foliage fragrant.05

MARIGOLD.

Well-known, free-flowering plants, with handsome double flowers, of rich and beautiful colors. The African is the most striking in large beds, or mixed borders. The dwarf French is used as a foreground to taller plants, and makes splendid compact edgings; half-hardy annuals.

(See *Calendula* and *Tagetes* for other varieties.)

- 1475 *Marigold, African*, lemon; 2 ft.05
 1476 — — *orange*; 2 ft.05
 1478 — — *fine mixed*, all colors05
 1479 — — *Collection of 6 distinct varieties*30
 1480 — *French, dwarf*, brown; 1 ft.05
 1481 — — *golden striped*; 1 ft.05
 1482 — — *yellow*; 1 ft.05
 1485 — — *tall*, orange; $1\frac{1}{2}$ ft.05
 1486 — — *striped*; $1\frac{1}{2}$ ft.05
 1487 — — *Cloth of Gold*, a charming variety, covered with flowers having bright gold bars on dark velvety petals; $1\frac{1}{2}$ ft.15
 1489 — — *fine mixed*, all colors05
 1490 — — *Collection of 10 distinct varieties*50

MARTYNIA.

Handsome, free-flowering plants, producing a fine effect when planted in the open border; flowers as large and handsome as *Gloxinias*, succeeded by curious double-horned fruit; half-hardy annuals.

- 1496 *Martynia*, mixed colors; $1\frac{1}{2}$ ft.10

MARVEL OF PERU (Mirabilis).

Few plants combine so much beauty, both of foliage and flowers, as this handsome genus; the roots may be preserved through the Winter; sometimes called *Four-o'clocks*; half-hardy perennials.

- 1500 *Marvel of Peru*, gold striped; 2 ft.05
 1501 — — *white*, sweet-scented; 2 ft.05
 1502 — — *variegated foliage*; 2 ft.05
 1507 — — *fine mixed*05
 1508 — — *Collection of 8 choice varieties*50



No. 588.—Candytuft, Tom Thumb new white.



No. 1760.—Petunia, New Double Fringed.



No. 1489.—Marigold, French.



No. 1545.—Sweet Mignonette.

No. **MATHIOLA** Price.
(Night-scented Stock).

The delicious rich perfume emitted by the flowers of this plant, in the afternoon, evening, and after a shower, is truly delightful, and perceptible some distance off; hardy annual.

1510 *Mathiola bicornis*, pink and lilac; 1 ft. \$0.10

MATRICARIA (Feverfew). Handsome, free-flowering, ornamental plants, fine for bedding or pot culture; half-hardy perennials.

- 1512 *Matricaria capensis*, dwarf, double, white, very fine; $\frac{3}{4}$ ft. .10
1513 — *eximia grandiflora*, an improved pure white variety, very double. .15
1514 — — *nana*, fl. pl., a dwarf variety, with double white flowers; useful for bouquets. .15

MAURANDYA.

These superb climbers can not be too strongly recommended; they are particularly adapted for greenhouse or conservatory decoration, or for training on trellises in the flower garden; they will be loaded all the season with rich purple, white and rose foxglove-shaped blossoms; the seed should be started in a hot-bed or greenhouse, as without artificial heat they will scarcely flower the first season; half-hardy perennials.

- 1520 *Maurandya Barclayana*, violet; 10 ft. .10
1521 — — *alba*, a pretty white variety; 10 ft. .10
1522 — — *luceyana*, rose, very showy; 10 ft. .10
1525 — *fine mixed*, from above varieties. .10

MESEMBRYANTHEMUM.

A brilliant and profuse-flowering tribe of dwarf-growing plants, effective in beds, edgings, rock-work, rustic baskets, or vases in warm, sunny situations; fine for pot culture.

- 1530 *Mesembryanthemum capitatum*, pale yellow; $\frac{1}{4}$ ft. .05
— *crystallinum* (*Ice Plant*), see No. 1265.
1532 — *tricolor*, rose, purple center; $\frac{1}{4}$ ft. .05
1533 — *album*, white, purple center; $\frac{1}{4}$ ft. .05
1536 — *fine mixed*, all colors. .10

MOLUCELLA (*Molucca Balm*).

A singular plant, with square stems spreading and curling upward like the arms of a candelabrum, which end in tufts of bright leaves and tiny cups of pea-green color, veined with whitish green; within the calyx a button-shaped bud appears, which unfolds into a flower formed like a shell, of a white and purple color, very curious; hardy annual.

- 1538 *Molucella levis* (*Shell Flower*); 1 ft. .15

No. **MIGNONETTE.** Price.

A well-known fragrant favorite, which produces a pleasing contrast to the more showy occupants of the parterre; if well thinned out immediately the plants are large enough, they will grow stronger, and produce larger spikes of bloom; hardy annual.

1540 *Mignonette, Golden Queen*, a distinct and attractive variety, with large spikes of golden-yellow blossoms. \$0.15

1541 — *Miles's Hybrid Spiral*, a robust, profuse-blooming variety, and very fragrant; splendid for pot culture. .15

1542 — *Parsons's White*, a distinct, delightfully fragrant variety; highly recommended. .10

1543 — *New Giant*, a recent introduction of marked improvement, a rapid compact grower, yielding a profusion of immense spikes of fragrant flowers; the best variety for bee-keepers and florists' use. .15

1544 — *pyramidal large-flowered*, a robust variety, of an orange-red color. .10

1545 — *Sweet*, the old favorite. .05

1546 — *The Prize*, highly recommended on account of beauty of color, size of flower, and delicious fragrance. .15

We will send one packet of each of the above varieties for. .60

MIMULUS.

A genus of extremely handsome, profuse-flowering plants, with singularly shaped and brilliantly colored flowers; splendid conservatory or sitting-room plants; half-hardy perennial.

1550 *Mimulus cardinalis*, scarlet; 1 ft. .10

1551 — *maculosus*, beautifully spotted; 1 ft. .10

1552 — — *duplex*, double, tiger spotted. .25

— *moschatus* (*Musk*), see No. 1570.

1554 — *Roezlii*, bright yellow, spotted with crimson, fine for bedding; 1 ft. .25

1558 — *choice mixed*. .25

MOMORDICA.

Trailing plants, with curious and very ornamental foliage; the fruit is of a golden-yellow color, warted, and when ripe, opens, disclosing its seeds and brilliant carmine interior. Planted on rock-work, stumps of trees, etc., and allowed to ramble, the effect is very striking; half-hardy annuals.

1565 *Momordica balsamina* (*Balsam Apple*). .05

1566 — *charantia* (*Balsam Pear*). .05

MORNING GLORY.

(See *Convolvulus Major*, Nos. 810 to 819.)



No. 1605.—Nasturtium, Dwarf.

No. MUSK PLANT. Price.

This fragrant and universally favorite little plant is so well known, we need only remark that it is equally at home in the sitting-room, greenhouse, or flower-garden; half-hardy perennial.

1570 **Musk** (*Mimulus moschatus*); $\frac{3}{4}$ ft.\$0.10

MYOSOTIS (Forget-me-not).

Charming little plants, very popular, producing their beautiful star-like flowers in great profusion; invaluable for Spring garden decoration; half-hardy perennials.

- 1575 **Myosotis alpestris nana alba**, very dwarf, white; $\frac{3}{4}$ ft.10
 1576 ——— **cærulea**, bright blue; $\frac{3}{4}$ ft.10
 1577 ——— **rosea**, delicate rose; $\frac{3}{4}$ ft.10
 1578 — **Azorica**, blue, shaded purple; 1 ft.10
 1579 ——— **alba**, pure white; 1 ft.10
 1580 — **dissitiflora**, clear blue, flowers very early, and continues long in bloom; $\frac{3}{4}$ ft.15
 1581 — **palustris semperflorens**, a beautiful azure blue, continues in bloom until frost; does well in moist and shady situations.25
 — **fine mixed**, see No. 1034.

NASTURTIIUM, DWARF (*Tropæolum nanum*).

The dwarf improved varieties of Nasturtium are among the most useful and beautiful of garden favorites, for bedding, massing, or ribboning; their close, compact growth, rich colored flowers, and the freedom with which they bloom, all combine to place them in the category of first-class bedding plants; should be grown in rather poor soil; hardy annuals.

- 1590 **Nasturtium, Tom Thumb Beauty**, yellow, flushed with vermillion.10
 1591 ——— **cærulea rosea**, beautiful peach.10
 1592 ——— **crimson**10
 1593 ——— **Crystal Palace Gem**, sulphur spotted mauve10
 1594 ——— **Golden King**, golden yellow10
 1595 ——— **King of Tom Thumbs**, intense scarlet, bluish-green foliage10
 1596 — **King Theodore**, new variety, dark green foliage, flowers almost black10
 1597 ——— **pearl**, creamy white10
 1598 ——— **rose**, very desirable10
 1599 ——— **scarlet**10
 1600 ——— **spotted**10
 1601 ——— **yellow**10
 1605 ——— **fine mixed**, from above varieties10
 1606 ——— **Collection of 12 distinct colors**.75



No. 1645.—Nigella.

No. NASTURTIIUM, TALL Price. (*Tropæolum Majus*).

Well-known, profuse-flowering plants, admirably adapted for rock-work, banks, covering trellises, or rustic work; the seeds, if pickled young, are an excellent substitute for capers; hardy annuals.

(See *Tropæolum* for choicer varieties of Tall Nasturtiums.)

- 1610 **Nasturtium, tall, crimson**; 6 ft.\$0.05
 1611 ——— **orange**; 6 ft.05
 1612 ——— **scarlet**; 6 ft.05
 1613 ——— **spotted**; 6 ft.05
 1614 ——— **striped**; 6 ft.05
 1615 ——— **yellow**; 6 ft.05
 1620 ——— **fine mixed**, from above varieties.05
 1621 ——— **Collection of 12 distinct colors**... .50

NEMESIA.

One of the prettiest, freest blooming, and most interesting of annual plants; adapted for beds, edgings, rock-work, or pot culture; the growth is compact, and the blossoms so numerous as to entirely hide the foliage; half-hardy annual.

- 1625 **Nemesia**, finest mixed varieties; $\frac{3}{4}$ ft.05

NEMOPHILA.

This is perhaps the most charming and useful genus of dwarf-growing hardy annuals; all the varieties have a neat, compact, and uniform habit of growth, with shades and colors the most strikingly beautiful; to secure the greatest perfection the plants should be thinned to four inches apart, and the plants will then present a dense mass of flowers; if the soil is too rich, the flowers will be less abundant; hardy annuals.

- 1630 **Nemophila**, best varieties mixed.05
 1635 — **Collection of 10 distinct varieties**... .50

NIEREMBERGIA.

Charming little plants, which flower profusely during the whole Summer; well adapted for hanging-baskets and edgings; in fact, for this purpose it cannot be recommended too highly; half-hardy perennial.

- 1640 **Nierembergia frutescens**, white.10
 1641 — **gracilis**, slender, lilac, yellow eye... .10

NIGELLA (Love in a Mist, or Devil in the Bush).

Compact-growing, free-flowering plants, with curious-looking flowers and seed-pods. From the extraordinary appearance of the stamens this genus has received its singular names; hardy annuals.

- 1645 **Nigella, dwarf**, mixed; $\frac{3}{4}$ ft.05
 1646 — **tall**, mixed; 1½ ft.05

No. 1565.—*Momordica balsamina*.

No. 1681.—New German Pansy.

No.	NOLANA.	Price.
	An extremely beautiful, free-flowering genus of trailing plants, the flowers resembling the <i>Convolvulus Tricolor</i> , but softer in color, while some are beautifully penciled; fine for rock-work, hanging-baskets, old stumps, etc.; hardy annuals.	
1652	<i>Nolana atriplicifolia</i> , blue, violet.	
	white and yellow; $\frac{1}{2}$ ft.	\$0.05
1653	— <i>alba</i> , white, yellow center; $\frac{1}{2}$ ft.	.05

NYCTERINIA.

Neat, compact little plants, covered with pretty, sweet-scented, star-shaped flowers, valuable for edgings, rockeries, stumps, or small beds; they blossom very early in Spring, and remain in bloom the whole season; half-hardy perennials.

1658	<i>Nycteria capensis</i> , white, with bright yellow center; $\frac{1}{2}$ ft.	.10
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OBELISCARIA.

This is a family of rather coarse-looking plants, but at a distance are showy and effective. It is allied to and very much resembles the well-known wild flower of our meadows, *Rudbeckia hirta* or *Cone Flower*. The blossoms are rich-colored, and have curious acorn-like centers; half-hardy perennial.

1659	<i>Obeliscaria pulcherrima</i> , rich crimson, tipped with yellow; 2 ft.	.05
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CENOTHERA.

Beautiful, free-blooming plants of majestic habit, with large, silvery-white, golden-yellow, and crimson spotted flowers; sow the annual varieties in the open ground in May, where they are intended to flower, and thin out when they come up; the perennial varieties are best sown in boxes, and afterward transplanted; annuals and perennials.

1660	<i>Cenothera</i> , annual varieties, mixed.	.10
1661	— perennial varieties, mixed.	.10

OXALIS.

A splendid class of plants, with brilliantly colored flowers and dark foliage, suitable either for greenhouse decoration, rock-work, or rustic baskets out-of-doors; half-hardy perennials.

1670	<i>Oxalis rosea</i> , rose-colored, blooms abundantly; $\frac{1}{2}$ ft.	.10
1671	— <i>tropaeoloides</i> , deep yellow, brown leaves; a very interesting variety; $\frac{1}{2}$ ft.	.10

OXYURA.

A showy plant, with beautifully fringed flowers; produced in great abundance; hardy annual.

1675	<i>Oxyura chrysanthemoides</i> , golden yellow, edged with white.	.05
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No.	PANSY (Heart's-ease).	Price.
	This lovely flower, a favorite with every one, is too well known to need any description. Nothing can be more effective, whether grown in beds, ribbons, groups, or interspersed among other plants in the border. It is also admirably adapted for pot-culture, for the decoration of the conservatory during the Winter and Spring months. The following collection embraces some of the finest varieties ever offered; hardy perennials.	

1679	<i>Pansy</i> , Belgian or fancy, large flowers, beautifully blotched; very attractive.	\$0.50
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1680	— <i>English Show</i> . The flowers of this class are one-colored, and embrace many rich and beautiful shades.	.50
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1681	— <i>New German</i> . (See colored plate in Catalogue for 1882.) No strain of this favorite flower ever enjoyed such popularity, or gave such general satisfaction, as this has done. It embraces eight of the most strikingly beautiful colors; mixed.	.50
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1682	— <i>Collection of the 8 varieties</i>	3.00
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1683	— <i>azure blue</i> , very fine.	.15
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1684	— <i>bronze</i> , reddish-brown flowers.	.15
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1685	— <i>Cliveden</i> , yellow, purple, magpie, and white, mixed; best for bedding.	.15
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1686	— <i>Emperor William</i> , brilliant blue, with well-defined purple eye; splendid.	.15
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1687	— <i>Faust</i> or <i>King of the Blacks</i> , densest black Pansy known.	.15
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1688	— <i>gold margined</i> , very showy.	.15
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1689	— <i>golden yellow</i> , beautiful.	.15
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1690	— <i>mahogany-color</i> , peculiar shade.	.15
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1691	— <i>maxima quadricolor</i> , a new and beautiful variety, the remarkable blending of the peculiar colors of which cannot be described; must be seen to be appreciated.	.25
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1692	— <i>Odiar</i> , or <i>five spotted</i> , a distinctly blotched variety of great beauty.	.25
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1693	— <i>Snow Queen</i> , a charming, delicate, satiny white, slightly tinged with yellow toward the center; splendid bouquet variety.	.50
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1694	— <i>striped or variegated</i> , very showy.	.15
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1695	— <i>white</i> , appropriate for cemeteries.	.15
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1700	— <i>choice mixed</i> , from above varieties.	.25
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1701	— <i>good mixed</i>	.10
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1702	— <i>Collection of 12 distinct varieties</i>	.75
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PASSIFLORA OR PASSION FLOWER.

A genus of magnificent ornamental twiners, whose flowers are at once interesting and beautiful.

1710	<i>Passiflora cerulea</i> , sky blue.	.15
1711	— <i>gracilis</i> , white.	.15



1.—Group of New Hybrid Petunias.

No. 1758.

2.—New Double Petunia.

No. 1759.

No. 1660.—*Penstemon*.

No.	PEAS, SWEET.	Price.
	Exceedingly useful, well-known, free-flowering, highly ornamental plants, flourishing in any open situation, and when sown on rich soil, and mulched during dry, hot weather, will attain a considerable height; if not allowed to ripen seed they will continue blooming till destroyed by frost; hardy annuals.	
1715	Peas, sweet, black invincible , the darkest variety grown.....	\$0.05
1716	— Butterfly , white ground, delicately laced with lavender blue; very fragrant and valuable for bouquets.....	.15
1717	— Crown Princess of Prussia , a delicate blush; very fine.....	.10
1718	— painted lady , rose and white.....	.05
1719	— purple	.05
1720	— scarlet invincible , rich scarlet.....	.05
1721	— striped	.05
1722	— Violet Queen , a charming variety ranging from deep mauve to light violet.....	.15
1723	— white	.05
1724	— mixed , from above varieties.....	.05
1730	Collection of 10 distinct varieties	.50
	— everlasting (see No. 1345.)	

PENSTEMON.

Plants of a highly ornamental character, graceful in habit, and remarkable for the abundance and beauty of their individual blossoms; in bloom from July to October; half-hardy perennials.

1740	Penstemon , choice mixed.....	.10
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PERILLA.

Amongst ornamental-foliaged plants for flower-garden decoration the *Perilla* claims attention; its foliage is of a deep mulberry or blackish purple, and forms a fine contrast to the silvery foliage of *Cineraria Maritima*, or the lively green of other plants; half-hardy annual.

1750	Perilla Nankinensis , leaves deep mulberry or purplish black; 1½ ft.....	.05
1751	— atropurpurea foliis laciniatis , the foliage regularly fringed and toothed, which gives the plant an exceedingly attractive appearance.....	.10

PHACELIA.

Pretty annuals, of the easiest culture in the open ground. They have branched tufted stems, incisive leaves, and spikes of blue flowers, which, when in bud, are circinate, like those of the heliotrope. The variety we offer is cultivated for bees, and is excellent for that purpose.

1753	Phacelia tanacetifolia , lilac; 2 ft.....	.10
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No. 1750.—*Perilla Nankinensis*.

No.	PETUNIA.	Price.
	A highly ornamental and profuse-flowering, easily cultivated garden favorite; effective and beautiful for the decoration of the greenhouse and sitting-room window, while for planting out in beds or mixed borders they are unsurpassed. The brilliancy and variety of its colors, combined with the duration of its blooming period, render it invaluable; half-hardy perennials.	
1755	Petunia, Countess of Ellesmere , rose, with white throat, very pretty.....	\$0.10
1756	— fringed , rich colors, finely fringed.....	.25
1757	— green-edged , various shades, bordered with a distinct belt of green.....	.25
1758	— hybrida grandiflora , from a celebrated German collection, flowers beautifully blotched, marbled, fringed, and variegated, quality unsurpassed.....	.25
1759	— new double , this strain, personally selected in Europe, continues to maintain its reputation, and is obtained from the same source. It is saved from carefully fertilized flowers, and will produce a large percentage of doubles, while such plants as are single are marvels of beauty in colors and markings.....	.50
1760	— new double fringed , for richness and delicacy of tint this variety is unsurpassed, and yields at least 25 per cent. of plants that never fail to elicit the most unqualified praise.....	.50
1761	— new dwarf inimitable , too much cannot be said in favor of this splendid dwarf variety, seldom exceeding six inches either in height or diameter; plants become literally covered with regularly striped flowers, and are exceedingly effective.....	.50
1762	— nyctaginiflora , white, fragrant.....	.05
1763	— robusta flore pleno , of compact, symmetrical growth, and embracing a wide range of rich colors; so freely are the flowers produced, that a fully developed plant has all the appearance of a made bouquet.....	.50
1764	— striped , large flowers, beautifully striped and marbled.....	.25
1770	— choice mixed , splendid varieties.....	.10
1771	— Collection of 12 single varieties	1.00
1772	— 6 double varieties	.75

PHASEOLUS.

A beautiful conservatory climber, flowering in magnificent clusters, producing a fine effect.

1775	Phaseolus caracalla , lilac and white, very handsome.....	.25
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No. 1860.—*Portulaca grandiflora*, fl. pl.**No. PHLOX DRUMMONDII. Price.**

These flowers are of extreme beauty, and are greatly admired by all; their long duration in bloom, combined with their almost unequalled richness of color, renders them of invaluable service in the general flower garden, and a finer sight than a bed of *Phlox Drummondii* is rarely to be seen. Half-hardy annuals.

1778	<i>Phlox Drummondii alba</i> , white; 1 ft.	\$0.10
1779	— — — <i>oculata</i> , white, with crimson eye; 1 ft.	.10
1780	— — — <i>coccinea</i> , deep scarlet; 1 ft.	.10
1781	— — — <i>Heynholdii</i> , vermilion scarlet; 1 ft.	.25
1782	— — — <i>cardinalis</i> , intense scarlet; very desirable; 1 ft.	.25
1783	— — — <i>Isabellina</i> , primrose yellow; 1 ft.	.10
1784	— — — <i>marmorata violacea</i> , violet marbled; very desirable; 1 ft.	.10
1785	— — — <i>purpurea</i> , deep purple; 1 ft.	.10
1786	— — — <i>Queen Victoria</i> , violet, with a white eye; 1 ft.	.10
1787	— — — <i>Redowsky</i> , deep rose, striped with white; 1 ft.	.10
1788	— — — <i>rosea</i> , bright rose; 1 ft.	.10
1789	— — — <i>variabilis</i> , slate blue, marbled; 1 ft.	.10
1790	— — — <i>grandiflora</i> , an improved variety, with unusually large flowers of great substance; mixed colors.	.10
1799	— — — <i>fine mixed</i> .	.05
1800	— — — <i>Collection</i> of 12 distinct varieties.	.75

PHLOX, PERENNIAL.

One of the finest of herbaceous plants, for beds or mixed borders. The seed offered is saved from the newest and best varieties; hardy perennials.

1801	<i>Phlox</i> , perennial, finest hybrid.	.25
1802	— — — <i>fine mixed</i> .	.10

PICOTEE PINK.

Favorite and well-known plants of great beauty, combining with the most perfect form the richest colors. They have a delicate perfume, and are easily cultivated; half-hardy perennial.

1810	<i>Picotee Pink</i> , saved from the most desirable varieties; 1½ ft.	.50
1811	— — — <i>German mixed</i> , double.	.25
1812	— — — <i>good mixed</i> , fine border varieties.	.10

PINK (*Dianthus Plumarius*, fl. pl.).

A well-known and highly valued plant, remarkable for its great beauty, easy culture, and accommodating habit, growing freely, and flowering profusely, either in pots, in the greenhouse, or in the open border; hardy perennial.

1815	<i>Pink</i> (<i>Florists' or Paisley</i>), from the finest named varieties. Flowers with white ground, beautifully blotched and edged with different shades of purple.	.25
1816	— — — <i>Brown's smile</i> , a very free-flowering variety; 1 ft.	.15

No. POLYANTHUS. Price.

Splendid Spring-flowering plants, either for pot-culture or the open border; hardy perennials.

1825	<i>Polyanthus mixed</i> (<i>Primula elatior</i>), fine border varieties; ¾ ft.	\$0.10
1826	— — — <i>splendid mixed</i> , extra choice; ¾ ft.	.25

POPPY.

A genus of showy, free-flowering plants, producing a rich and effective display in large mixed borders, or select plantations.

ANNUAL VARIETIES.

1830	<i>Poppy</i> , carnation, double mixed; 2 ft.	.05
1831	— — — <i>French</i> , or <i>Ranunculus</i> , double; 2 ft.	.05
1832	— — — <i>peony-flowered</i> , double; 2 ft.	.05
1833	— — — <i>scarlet</i> , single; 2 ft.	.05
1834	— — — <i>somniferum</i> (<i>opium</i>), white.	.05
1835	— — — <i>umbrosium</i> , immense flowers of a brilliant crimson, with a large black blotch at the base of each petal; very showy; 1½ ft.	.15
1839	— — — <i>Collection</i> of 12 double varieties.	.50

PERENNIAL VARIETIES.

1840	<i>Poppy</i> , <i>bracteatum</i> , orange crimson; very large and handsome.	.10
1841	— — — <i>croceum</i> , orange; 1 ft.	.10
1842	— — — <i>orientale</i> , deep scarlet, with large black blotches; 2½ ft.	.10

PORTULACA.

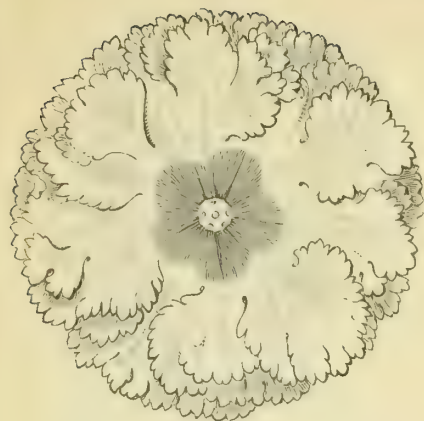
For brilliant, beautiful, and delicate colors, this charming genus stands unrivaled, and whether in baskets, small beds, edgings, or rock-work, its large, splendid flowers, produced in the greatest profusion, are extremely effective; succeeds best in light, gravelly soils, or mixed with lime rubbish; half-hardy annuals.

1845	<i>Portulaca alba</i> , pure white; ½ ft.	.05
1846	— — — <i>aurea</i> , golden yellow; ½ ft.	.05
1847	— — — <i>caryophylloides</i> , finely striped; ½ ft.	.05
1848	— — — <i>purpurea</i> , purple; ½ ft.	.05
1849	— — — <i>rosea</i> , delicate rose; ½ ft.	.05
1850	— — — <i>scarlet</i> , very brilliant; ½ ft.	.05
1851	— — — <i>splendens</i> , rich crimson; ½ ft.	.05
1859	— — — <i>mixed</i> , from above.	.05
1860	— — — <i>grandiflora</i> , fl. pl. These seeds have been selected from large double flowers of the most beautiful and brilliant colors, and will produce a large proportion of double flowers of unsurpassed beauty; mixed.	.20
1864	— — — <i>Collection</i> of 8 double varieties.	.75

POTENTILLA.

Handsome flowering herbaceous plants, exceedingly useful and ornamental in mixed flower borders, lasting a long time in bloom; hardy perennials.

1865	<i>Potentilla</i> , double, choice varieties, mixed; 1 ft.	.15
1866	— — — <i>single</i> , finest mixed; 1½ ft.	.10

No. 1879.—*Primula alba magnifica*.

No. PRIMROSE. Price.
One of the most useful and earliest Spring flowers we have; the well-known yellow variety being unexcelled for brilliant effect, whether employed to brighten the flower garden, decorate rockeries, or other semi-wild locations; hardy perennial.

1870 **Primrose**, choice mixed; $\frac{3}{4}$ ft. \$0.25

PRIMULA.

A charming, profuse-flowering plant, indispensable for Winter and Spring decoration in the conservatory or sitting-room; the seed we offer has been saved from flowers remarkable for their size, color, and perfect form, and is of unsurpassed quality; greenhouse perennials.

- 1874 **Primula cortusoides**, rose lilac; a hardy variety; $\frac{3}{4}$ ft.10
1875 — **Japonica**, a hardy Japanese variety, of a splendid magenta color; $1\frac{1}{2}$ ft.25
1878 — **sicensis fimbriata alba**, pure white, fringed flowers.50
1879 — — — **alba magnifica**, a novelty of real merit; foliage deeply indented; the flowers, which are of immense size and great substance, are pure white, with a citron eye, and most beautifully fringed.75
1880 — — — **marginata**, lilac, bordered with white, one of the best50
1881 — — — **rosea**, beautiful rose.50
1884 — — — **mixed**, from fringed varieties.50
1885 — — — **filicifolia alba**, beautiful fern-leaved foliage, white.50
1886 — — — **rosca**, fern-leaved, crimson lake, very showy50
1887 — — — **striata**, fern-leaved, striped.50
1890 — — — **mixed**, from fern-leaved varieties of brightest colors.50
1891 — — — **alba fl. pl.**, double, white. 1.00
1892 — — — **rosca fl. pl.**, double, rose. 1.00
1893 — — — **scarlet**, double, very brilliant. 1.00
1896 — **Collection** of 12 choice varieties. 1.50

PYRETHRUM.

Handsome, free-flowering, highly ornamental plants, producing a fine effect in the mixed flower and shrubby borders; hardy perennials.

- 1900 **Pyrethrum atrosanguineum**, dark red, showy; 2 ft.10
1901 — **carneum**, flesh color; 2 ft.10
1902 — **double**, white; 2 ft.10
1903 — **Golden Feather** (*Parthenifolium aureum*), golden foliage; 1 ft.15
1904 — **hybrid fl. pl.**, double varieties, mixed.25
1905 — **roseum**, light red; 2 ft.10

No. 1916.—*Rhodanthe maculata*.

- No. RHODANTHE. Price.**
A well-known everlasting; valuable for the decoration of the conservatory and flower garden; fine for bedding or ribboning; half-hardy annuals.
1915 **Rhodanthe atrosanguinea**, purple crimson; 1 ft. \$0.15
1916 — **maculata**, rosy purple, with crimson center; $1\frac{1}{2}$ ft.15
1917 — — **alba**, white, very showy; 1 ft.15
1918 — **manglesii**, bright rose; 1 ft.10
1919 — — **fl. pl.**, double, bright rose.25
1920 — **minor compacta**, plants globular, blossoms freely, fine for pot-culture.25
1925 — **mixed**, from above.10

RIHODODENDRON.

Well-known and magnificent free-flowering evergreen shrubs, which should occupy a prominent place in every garden.

- 1930 **Rhododendron ponticum**, mixed.25

RICINUS.

A magnificent and highly ornamental genus; the picturesque foliage and stately growth, combined with brilliant-colored fruit of the giant varieties, impart to select plantations, shrubbery, and mixed flower borders quite an oriental aspect. Grown as single specimens on lawns and pleasure-grounds, they form a striking feature; half-hardy annuals.

- 1935 **Ricinus Africanus albidus**, new, white fruited, stem and leaves silvery; 8 ft.10
1936 — **Borboniensis arboreus**, very large and showy foliage; 15 ft.10
1937 — **Braziliensis**, dark green fruit; 10 ft.10
1938 — **communis** (*Castor Oil Plant*); 6 ft.05
1939 — **giganteus**, large and showy; 10 ft.10
1940 — **macrocarpus**, light green; 8 ft.10
1941 — — **nanus**, dwarf, for grouping; 3 ft.10
1942 — **sanguineus** (*Obermanii*), splendid red fruit in clusters, very ornamental, producing a grand effect; 10 ft.10
1943 — **species from Philippines**, gigantic foliage; 10 ft.10
1950 — **fine mixed** varieties.10

ROCKET (Hesperis).

Very pleasing early Spring flowering, profuse-blooming plants, with deliciously fragrant flowers, growing freely in any light rich soil; unlike most plants, they do better if transplanted every second season; hardy perennials.

- 1955 **Rocket**, sweet, purple; $1\frac{1}{2}$ ft.05
1956 — — **white**; $1\frac{1}{2}$ ft.05
1957 — — **mixed**; $1\frac{1}{2}$ ft.05



No. 1138.—Sedum.



No. 2040.—Smilax.

ROSE.
Too well known to require any description; the culture of the rose from seed is very simple, generally rewarding the amateur with flowers the second year.

1960 **Rose**, saved from choice varieties.....\$0.25

SALPIGLOSSIS.
Ornamental and useful plants for autumn decoration; their curiously pencilled and marbled funnel-shaped flowers produce a fine effect in beds, borders, edgings, and ribbons; half-hardy annuals.

1965 **Salpiglossis**, choice mixed; tall; 2 ft. .10

1966 — — — dwarf varieties; 1 ft.10

SALVIA.
Magnificent bedding-plants, loaded with spikes of scarlet flowers, from July till October.

HALF-HARDY ANNUAL VARIETIES.

1970 **Salvia coccinea**, scarlet; 2 ft.10

1971 — — **nana compacta**, scarlet; $\frac{3}{4}$ ft.10

1972 — — **punicea**, new dwarf, scarlet; 1 ft. .10

1973 — **Remeriana**, crimson, dwarf; 1 ft. .10

HALF-HARDY PERENNIAL VARIETIES.

1974 **Salvia amabilis**, lavender blue; 2 ft. .10

1975 — **argentea**, silvery foliage; 3 ft.10

1976 — **patens**, splendid deep blue; 3 ft.15

1977 — **splendens**, bright scarlet; 2 ft.15

SANVITALIA.
Pretty, dwarf-growing, free-flowering plants, blooming all the season; hardy annuals.

1985 **Sanvitalia procumbens**, rich brown and yellow; $\frac{1}{2}$ ft.10

1986 — — **fl. pl.**, a double variety of above, a profuse bloomer.10

SAPONARIA.
Charming little plants, flowering all the season; splendid for beds or ribbon borders; half-hardy annuals.

1990 **Saponaria Calabrica**, deep pink; $\frac{1}{2}$ ft. .05

1991 — — **alba**, very pretty; $\frac{3}{4}$ ft.05

1992 — **ocymoides**, pink; hardy perennial. .10

SCABIOSA OR MOURNING BRIDE.
Handsome showy plants for mixed borders; flowers beautifully variegated; hardy perennials.

1995 **Scabiosa candidissima plena**, double, white; useful for florists; 1 ft.10

1996 — **major atropurpurea**, velvety dark purple; 2 ft.05

1997 — **nana, fl. pl.**, double; brilliant colors; mixed; 1 ft.05

SCHIZANTHUS.
Few plants are more attractive than these when well grown, whether in pots or in the border; they are of a branching, elegant habit, well covered with peculiar-shaped flowers; half-hardy annuals.

2000 **Schizanthus**, mixed, best varieties....\$0.10

SEDUM (Stonecrop).
Pretty little plants, growing freely on rock or rustic work, also on ornamental mounds, etc., where they flower in great profusion; hardy annuals.

2010 **Sedum ceruleum**, blue; $\frac{3}{4}$ ft.10

2011 — **fine mixed**20

SENSITIVE PLANT (Mimosa).
Very curious and interesting plants, their leaves closing if touched or shaken; half-hardy annuals.

2025 **Sensitive Plant**, pinkish white; 1 $\frac{1}{2}$ ft. .05

SILENE OR CATCHFLY.
Ornamental, free-flowering plants, with bright and beautifully colored flowers; hardy annuals.

2030 **Silene pendula**, rosy purple.05

2031 — — **alba**, white; 1 ft.05

2032 — — **ruberrima**, rosy lilac, dark foliage .05

2033 — **pseudo atocion**, rosy pink; 1 ft.05

2034 — **Schafta**, lilac; hardy perennial; $\frac{1}{2}$ ft. .05

— **fine mixed varieties** (see No. 655).

SMLAX.
A beautiful Winter climbing plant, adapted to the conservatory. Nothing can excel this plant in beauty of foliage and orange fragrance of the flower. It is extensively used for bouquets and floral decorations of every description.

2040 **Smilax** (strong roots, 25c. each)..... .20

SOLANUM.
A very elegant, highly ornamental, and interesting genus of fruit-bearing plants; some of the varieties being singularly grotesque in fruit and foliage, while others are exceedingly handsome and attractive; half-hardy annuals.

2044 **Solanum capsicastrum** (*Jerusalem cherry*), covered all Winter with a profusion of scarlet fruit; 1 $\frac{1}{2}$ ft.10

2045 — **ciliatum**, spiny, ornamental leaves, and scarlet berries. The fruit resembles a plum in shape and size; color bright scarlet .10

2046 — **Warscewiczoides**, fine foliage plant, with a robust growth, ornamental fruit.10

SPHENOGYNE.
A free-flowering plant, from South America; useful for beds, borders, or edgings; hardy annual.

2055 **Sphenogyne speciosa**, yellow; 1 ft. .05

No. 2076.—*Stevia purpurea*.No. 2092.—German Ten Week Stock,
Large-Flowering.**SPRAGUEA.**

No. **Price.**
A charming plant, with *Amaranthus*-like flowers; extremely graceful and beautiful; very effective as an edging, or for rock-work; hardy perennial.
2060 *Spraguea umbellata*, white, shaded and spotted purple; $\frac{3}{4}$ ft.\$0.25

STATICE.

Exceedingly interesting plants, of easy culture. They are all very free-flowering, and remain a long time in bloom; the flowers are valuable for Winter bouquets; half-hardy and hardy perennials.
2065 *Statice Bonduelli*, golden-yellow; $1\frac{1}{2}$ ft. .10
2066 — *incana hybrida*, mixed colors; 1 ft. .10
2067 — *sinuata*, purple and white; 1 ft.10
2068 — *spicata*, emerald-green foliage, rosy-pink flowers; 1 ft.10

STEVIA.

A useful plant, either for pot-culture or the border; half-hardy perennial.
2075 *Stevia Lindleyana*, white.10
2076 — *purpurea*, purple.05

STOCKS.

The Stock Gillyflower is one of the most popular, beautiful, and important of our garden favorites, and whether for bedding, massing, edging, ribboning, or pot culture, it is unsurpassed either for brilliancy and diversity of color, or profusion and duration of bloom.

ANNUAL VARIETIES.

2083 *Stock, German dwarf, ten week*, brightest colors mixed; $1\frac{1}{4}$ ft.10
2086 — — *large-flowering*, bright crimson; $1\frac{1}{4}$ ft.15
2087 — — *canary yellow*; $1\frac{1}{4}$ ft.15
2088 — — *pure white*; $1\frac{1}{4}$ ft.15
2092 — — *large-flowering*, many varieties mixed, extra fine.20
2093 — — *Collection of 12 distinct colors*.75
2094 — — *pyramidal*, splendid colors mixed.15
2095 — — *tree, or giant*, many colors mixed.15
2096 — — *wall-flower-leaved*, pure white, extra fine, very desirable for bouquets.20
2097 — — *wall-flower-leaved*, finest colors mixed.20
2098 — — *Collection of 6 distinct colors*, wall-flower-leaved.75

STOCKS.—Cont'd.**BIENNIAL AND PERENNIAL VARIETIES.**

Intermediate Stocks are prized on account of their flowering late in Autumn; also as pot plants for early Spring blooming, for which purpose sow the seed in July or August.

2099 *Stock, intermediate*, purple; 1 ft.\$0.15
2100 — — *scarlet*; 1 ft.15
2101 — — *white*; 1 ft.15
2102 — — *wall-flower-leaved*, snow-white, a great improvement in this class, bearing immense pure white flowers.25
2103 — — *Collection of 8 distinct colors*.60
This section may be treated in the same manner as the Intermediate; and will last several years, if protected from the frost. The Brompton is a biennial of branching habit, producing a grand display when in bloom.
2104 *Stock, Brompton*, purple; 2 ft.15
2105 — — *scarlet*; 2 ft.15
2106 — — *white*; 2 ft.20
2107 — — *mixed*.15
2108 — *Emperor, or perpetual*, new large-flowering mixed; $1\frac{1}{2}$ ft.15
2109 — — *Collection of 6 distinct colors*.50
2110 — *French Winter, or Cocardeau*, a beautiful variety for pot-culture, fine mixed varieties.15
2111 — — *Collection of 5 distinct colors*.50
2112 — *Hardy's All the Year Round*.
This variety produces fine spikes of double white flowers from January to December. The plants grow about 12 inches high, and if plenty of room is given, 3 feet through, and will produce hundreds of blooms, fully 75 per cent. of which will be double.25

SULTAN (*Centaurea Moschata*).

Sweet-scented, profuse-flowering plants, very effective in mixed or shrubby borders; produce a very showy and striking effect; the flowers emit a delicate honey perfume, and are much prized for bouquets; grow freely in rich soil; hardy annuals.

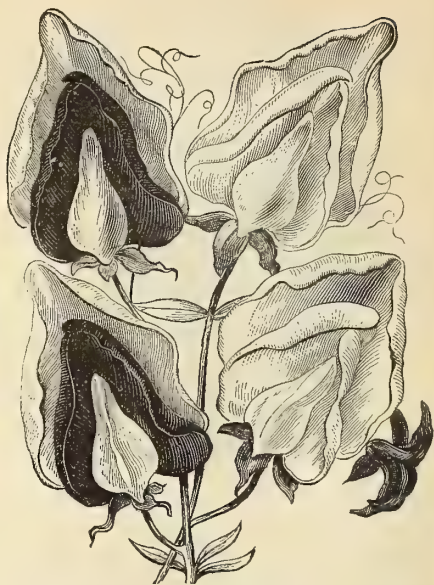
2115 *Sultan, sweet*, purple; $1\frac{1}{4}$ ft.05
2116 — — *white*; $1\frac{1}{4}$ ft.05
2117 — — *beautiful yellow*; $1\frac{1}{4}$ ft.05

SUNFLOWER.

(See *Helianthus*, Nos. 1195 to 1204.)



No. 725.—*Chrysanthemum Indicum*.



Sweet Peas.

No. 1716.—*Butterfly*. No. 1722.—*Violet Queen*.



No. 820.—*Convolvulus tricolor*, New
Crimson Violet.



No. 2220.—*Verbena*, choice mixed.



No. 2125.—Sweet William, auricula-flowered.



No. 2172.—Tricosanthes colubrina.

No.	SWEET WILLIAM.	Price.
A well-known, free-flowering, popular favorite; the great improvements upon the old varieties made within the last few years have rendered it still more desirable; hardy perennials.		
2125	Sweet William, auricula-flowered , a very handsome variety, producing immense trusses of bloom; 1½ ft.	\$0.20
2126	— double-flowering , mixed; 1½ ft.	.10
2127	— nigricans , dark crimson; 1½ ft.	.10
2128	— white , useful for bouquets; 1½ ft.	.10
2135	— fine mixed	.05

TACSONIA.

Magnificent climbers, which, for dazzling brilliancy and beauty of flower are unsurpassed. The flowers are suspended on thread-like filaments, and give the roof of the conservatory the appearance of being studded with star-lights; greenhouse climber.

2140	Tacsonia Van Volxemi , intense scarlet flowers, followed by fruit of a pleasant sub-acid flavor.	.25
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TAGETES.

Beautiful and delicate fern-leaved plants, forming compact bushes covered with neat bright-colored blossoms; half-hardy annuals.

2145	Tagetes pumila , bright yellow with a reddish-brown stripe; 1 ft.	.10
2146	— tenuifolia , a pretty miniature variety, orange flowers, delicate foliage.	.10

THUNBERGIA.

A genus of slender and rapid-growing climbers, with extremely pretty and much admired flowers, which are freely produced; half-hardy annuals.

2155	Thunbergia alata , orange, rich brown eye; 4 ft.	.10
2156	— alba , white, with dark eye; 4 ft.	.10
2157	— aurantiaca , orange, dark eye; 3 ft.	.10
2158	— Bakerii , pure white; 4 ft.	.10
2161	— mixed , from above.	.10
2162	— Collection of 5 choice varieties.	.50

TORENIA.

On account of its comparatively recent introduction, this charming plant is but little known. For hanging-baskets or culture in pots, it is unsurpassed, and during the warmer months of the year its brilliant florescence adds a pleasing variety to outdoor decoration; tender annuals.

2165	Torenia Baillonii , golden yellow, with dark throat; distinct and beautiful.	.25
2166	— Fournieri , azure blue, spotted.	.25

No.	TRICOSANTHES.	Price.
Beautiful plants, with long, elegant, serpent-like fruit; half-hardy annuals.		
2172	Tricosanthes colubrina , serpent cucumber; from 5 to 6 feet in length; when ripe, is of a brilliant carmine.	\$0.10

TRITOMA.

Interesting and showy plants, popularly known as *Red-hot Poker*, on account of the color of the flower-spikes, which are produced in great profusion, and remain a long time in bloom; hardy perennial.

2175	Tritoma uvaria grandiflora , bright orange-scarlet; 4 ft.	.25
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TROPEOLUM.

Elegant growing, profuse-flowering, and easily cultivated climbers, combining with these important qualities great richness and brilliancy of color; with finely formed and beautifully marked flowers, for covering trellises, verandas, and bowers; for bedding purposes they are unsurpassed; half-hardy annuals.

2181	Tropeolum lobbianum Caroline Schmidt , deep scarlet.	.15
2182	— Duc de Luynes , dark crimson.	.15
2183	— Geant des Batailles , brilliant carmine; fine.	.15
2184	— Lucifer , very dark crimson.	.20
2185	— Napoleon III. , yellow, striped with rosy scarlet.	.15
2186	— Queen Victoria , vermilion and scarlet; very showy.	.15
2187	— Triomphe de Gand , orange-scarlet; distinct and beautiful.	.15
2188	— Roi des Noirs , almost black.	.15
2189	— Spitfire , brilliant scarlet; showy.	.15
2190	— brown , beautiful dark brown; vigorous and abundant bloomer.	.15
2195	— finest mixed varieties	.15
	— peregrinum (<i>Canary Bird Flower</i>), yellow, highly ornamental, and deservedly a general favorite (see No 580).	

TUBEROUS-ROOTED VARIETIES FOR IN-DOOR CULTURE ONLY.

2196	Tropeolum azureum , sky blue, very delicate and beautiful.	.50
2197	— pentaphyllum , scarlet, tipped with green; graceful foliage.	.25
2198	— tricolorum , scarlet, yellow, and black; very handsome.	.25

No. 2195.—*Tropæolum lobbianum*.

- VALERIAN.** Price.
Showy plants for mixed borders or shrubberies, bearing large corymbs of bright flowers; bears shade and moisture well; hardy perennial.
2200 *Valerian*, all colors, mixed.....\$0.05

VENUS' LOOKING-GLASS.

- A free-flowering pretty little plant adapted for beds or rock-work, ribbons or edgings. The plants form a small spreading mass of about nine inches high, and may be had in bloom for the whole summer by successive sowing; hardy annuals.
2205 *Venus' Looking-glass*, mixed colors. .05

VERBENA.

Unrivalled in the splendor of its dazzling brilliancy, the Verbena is the most effective bedding plant in cultivation: it blooms from seed the first season; half-hardy perennials.

- 2210 *Verbena hybrida auricula flora*; choice mixed varieties, with white center... .25
2211 — — *candidissima*, immense trusses of pure white flowers..... .25
2212 — — *cœrulea*, beautiful blue, constant .25
2213 — — *Defiance*, beautiful rich scarlet.. .25
2214 — — *Italian striped*, mixed..... .25
2220 — — *choice mixed*..... .25
2221 — — *fine mixed*..... .10
2222 — *aubletia*, reddish purple..... .05
— *lemon scented* (see No. 298).
2223 — *montana*, a perfect gem; the plant literally covers itself during the Summer with its bright rose-colored flowers; perfectly hardy..... .15
2224 — *teucroides odorata*, fine white, fragrant..... .10
2225 — *venosa*, violet purple, good bedding-plant, trailer..... .05

VERONICA.

Showy plants for pot-culture or the open border; they require but little attention, as they grow with the greatest facility, and are readily increased by partition of the roots; half-hardy annuals.

- 2230 *Veronica Syriaca*, bright blue and white; $\frac{1}{2}$ ft..... .10
2231 — — *alba*, white; $\frac{1}{2}$ ft..... .15

VINCA.

Highly ornamental, free-flowering, compact, greenhouse, evergreen shrubs, with shining green foliage and handsome circular flowers.

- 2235 *Vinca rosea*, rose; $1\frac{1}{2}$ ft..... .10
2236 — — *alba*, white with crimson eye; 2 ft .10



No. 2272.—Wallflower, double.

- VIOLA (Violet).** Price.
Well-known plants, suitable for edgings, groups, or mixed borders, and much in demand on account of their pleasing fragrance and profusion of bloom, which lasts from early Spring throughout the Summer months; hardy perennials.
2245 *Viola cornuta alba*, white.....\$0.25
2246 — — *mauve queen*, deep mauve blue... .10
2247 — — *lutea grandiflora*, golden yellow.. .25
2250 — *odorata semperflorens*, sweet-scented violet; $\frac{1}{2}$ ft..... .25
2251 — — *The Czar*, light violet, large and fragrant..... .25
2252 — — *The White Czar*, a white variety of the preceding, producing an abundance of immense fragrant flowers..... .25

VIRGINIAN STOCK.

Extremely pretty, profuse-flowering little plants, effective in small beds, baskets, or as edgings; they grow freely anywhere, and if sown early in February, they generally bloom in April or May; hardy annuals.

- 2260 *Virginian Stock*, red and white, mixed .05

VISCARIA.

Pretty, profuse-flowering plants, for beds, ribbons, or mixed borders; they do best in an extremely light soil, liberally mixed with old mortar, powdered bricks, or similar substance; hardy annuals.

- 2265 *Viscaria*, mixed colors; $1\frac{1}{2}$ ft..... .10

WAITZIA.

A charming section of everlastings, equally valuable for pot-culture and the flower-border. For Winter bouquets, pick the flowers before they fully expand; half-hardy annuals.

- 2266 *Waitzia aurea*, brilliant yellow; $1\frac{1}{2}$ ft. .15
2267 — *corymbosa*, bright red; $1\frac{1}{2}$ ft..... .15

WALL-FLOWER.

The flowers of the Wall-flower are deliciously fragrant, and greatly prized; the large, massive, conspicuous spikes of the double German varieties have a charming effect, while the more bushy, compact growth and profuse-blooming of the single ones render them exceedingly attractive; half-hardy perennials.

- 2270 *Wall-flower*, canary yellow; 2 ft.... .25
2271 — *dwarf*, mixed; 1 ft..... .25
2272 — *finest double*, German mixed; 2 ft.. .25
2273 — *Harbinger*, rich blood-red; 1 ft..... .25
2274 — *single*, mixed..... .05
2278 — *Collection* of 8 distinct colors..... .75



No. 2280.—Water-Lily.

No. **WATER-LILY** (*Nymphaea*). *Price.*
The variety we offer is the true fragrant White Water-Lily, and can be cultivated with far less trouble than most people imagine. Its home, of course, is in ponds and streams, but it can be successfully grown in tubs and aquariums; in fact, some of the loveliest Lily Gardens are frequently met with in some such artificial device.

2280 **Water-Lily** (*Nymphaea odorata*), white, \$.025
— **Roots**, 40 cents each, \$4.00 per dozen.

WHITLAVIA.

One of the most charming California introductions; very effective for bedding, ribboning, or mixed borders; hardly annuals.

2282 **Whitlavia grandiflora**, violet blue; 1 ft. .05
2283 — — **alba**, pure white; 1 ft. .05
2284 — — **gloxinoides**, tube of corolla pure white, lines of a delicate light blue. .05

WIGANDIA.

Grand and magnificent plant, with stupendous leaves richly veined, and stems covered with crimson hair. Of rapid growth and splendid habit, it forms one of the finest objects amongst ornamental-foliaged plants, to impart a tropical aspect to a garden, or for conservatory decoration; half-hardy perennials.

2286 **Wigandia Caracasana**, lilac; 7 ft. .25
2287 — **Vigieri**, superb, glaucous foliage; 8 ft. .25

WINTER CHERRY

(*Physalis Alkekengi*).

There are several species of this plant, but the hardy variety which we offer is the best-known one. It bears scarlet, cherry-like fruit, inclosed within an enlarged calyx, which also assumes a bright red color, and thus renders the plant very ornamental in the beginning of the Winter season.

2290 **Winter cherry**, very showy. .10

WISTARIA.

One of the most elegant and rapid-growing of all climbing plants; attains an immense size; frequently grows at the rate of 15 or 20 feet in a season; produces long pendulous clusters of flowers early in Spring; hardy shrub.

2292 **Wistaria sinensis**, pale blue. .20

YUCCA (Adam's Needle).

Splendid, showy, hardy plants, with aloe-like foliage, bearing a close panicle of cream-colored, drooping, tulip-like blossoms; plant the seed where it will remain undisturbed, as the plant takes some time to arrive at perfection.

2294 **Yucca**, mixed varieties. .20



No. 2314.—Double Zinnia.

XERANTHEMUM. *Price.*

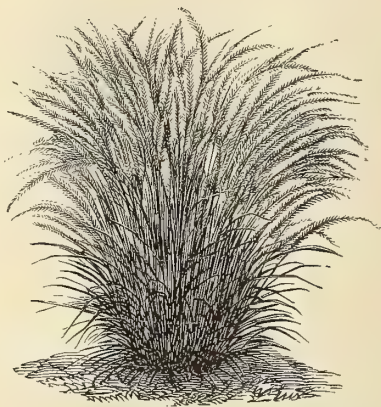
A showy class of Everlastings; the flowers, when gathered young, are useful for Winter bouquets; they are among the most easily cultivated of annuals, requiring only to be sown, about May, in the open border, and thinned out for flowering; for succession, sow at intervals of a month; hardly annuals.

2295 **Xeranthemum album fl. pl.**, double white; 2 ft. .10
2296 — **ceruleum fl. pl.**, double blue; 2 ft. .10
2297 — **superbissimum fl. pl.**, new, distinct, and very double; undoubtedly the best form of this flower ever offered; blue; 1½ ft. .25
2298 — — **album fl. pl.**, a white variety of the preceding, even more desirable for bouquets on account of the color; 1½ ft. .25

ZINNIA ELEGANS.

The double Zinnia is one of the sterling novelties of recent years. The flowers are large, beautifully formed, and exceedingly handsome. Few plants in the flower border are more effective; and scarcely any flower, when cut, is more suitable for table bouquets; being of rather robust habit, it requires but moderately rich soil; the seed may be sown in the open ground or in heat, according to the time it is desired to flower; half-hardy annuals.

2305 **Zinnia Elegans fl. pl. alba**, pure white. .10
2306 — — — **aurea**, golden yellow. .10
2307 — — — **coccinea**, scarlet. .10
2308 — — — **kermesina**, crimson. .10
2309 — — — **lilacina**, lilac. .10
2310 — — — **purpurea**, purple. .10
2311 — — — **striata**, magnificent colors, shaded and striped. .10
2314 — — — **finest double varieties**, mixed. .10
2315 — — — **Collection of 8 distinct varieties**. .60
2316 — — — **single varieties**, mixed. .05
2317 — **Haageana fl. pl.**, a new double variety, of nice habit, and bright, soft, orange-colored flowers. .10
2318 — — **pumila fl. pl.**, dwarf, flowers very brilliant and double. .10
2319 — — **tagetiflora fl. pl.**, new double, petals quilled like *Globe Aster*. .10
2320 — **Elegans nana alba fl. pl.** This splendid novelty supplies a long felt want in the shape of a thoroughly good miniature-flowered dwarf white Zinnia, which, for florists' use, must be invaluable. It is compact in habit, while in color, form, and size of flower it is simply perfection. .15

No. 2348.—*Briza maxima*.No. 2442.—*Bromus brizæformis*.No. 2332.—*Agrostis nebulosa*.No. 2482.—*Stipa pinnata*.No. 2385.—*Lagurus ovatus*.No. 2347.—*Briza gracilis*.

ORNAMENTAL GRASSES.

For Winter Bouquets, Dinner-Table Decorations, Edgings, Ribbons, Centers of Beds, Mixed Borders, and Shrubberies.

Most of the varieties may be dried for Winter bouquets, or used for filling vases, either in a dried or green state.

That the plants may develop their true character, transplant or thin out sufficiently to afford space for the growth of each, and this should be done as soon as the plants can be handled.

ANNUAL VARIETIES.

No.	Price.	No.	Price.
2330	<i>Egilops cylindrica</i> , knotted, curious and pretty; 2 ft.....		\$0.10
	Agrostis. All fine graceful bouquet grasses.		
2331	— <i>laxiflora</i> , very graceful; 1½ ft.....		.10
2332	— <i>nebulosa</i> , the perfection of grace, indispensable for bouquets; 1½ ft.....		.10
2340	<i>Anthoxanthum gracile</i> , elegant; ½ ft.....		.10
2342	<i>Avena sterilis</i> (<i>Aminated Oats</i>); 2½ ft.....		.05
	Briza. Charming varieties of the well-known quaking grass.		
2345	— <i>compacta</i> , very charming; 1 ft.....		.05
2346	— <i>geniculata</i> , spreading; 1 ft.....		.05
2347	— <i>gracilis</i> , small quaking grass; 1 ft.....		.05
2348	— <i>maxima</i> , large quaking grass; 1 ft.....		.05
2352	<i>Brizopyrum siculum</i> , splendid for edgings and bouquets; ¾ ft.....		.05
2355	<i>Ceratochloa pendula</i> , graceful; 1 ft.....		.05
	Chloris. Singularly radiated, and very effective in bouquets and borders.		
2360	— <i>elegans</i> , slender and elegant; ¾ ft.....		.10
2361	— <i>radiata</i> , radiating; 1 ft.....		.10
2362	— <i>truncata</i> , elegant for bouquets and other decorations; 1½ ft.....		.10
2365	<i>Chrysurus aureus</i> , golden-spiked; a very desirable sort; ½ ft.....		.05
2366	<i>Coix lachryma</i> (<i>Job's Tears</i>); 1½ ft.....		.05
2370	<i>Echinochloa colona</i> , spotted brown, peculiarly attractive; 1½ ft.....		.10
	Eleusine. Pretty. All curiously horned grasses, equally effective in bouquets and growing in the borders.		
2372	— <i>Indica</i> , spreading and graceful; 1 ft.....		.10
2373	— <i>oligostachya</i> , three horns; 1 ft.....		.10
	Eragrostis , beautiful for borders and indispensable for bouquets.		
2375	— <i>cylindriflora</i> , most graceful; 2 ft.....		\$0.05
2376	— <i>elegans</i> (<i>Love Grass</i>), fine; 1 ft.....		.05
2380	<i>Hordeum jubatum</i> , squirrel-tail grass, elegant; 1½ ft.....		.05
2385	<i>Lagurus ovatus</i> (<i>Hare's-tail</i>), elegant; a well-known sort; 1 ft.....		.05
2390	<i>Lasiagrostis argentea</i> , beautiful and very distinct; ¾ ft.....		.10
2395	<i>Leptochloa gracilis</i> , pretty; 1½ ft.....		.10
	Panicum. Suitable for bouquets and elegant in borders.		
2400	— <i>capillare</i> , most elegant; 2 ft.....		.05
2401	— <i>sulcatum</i> , very decorative; 4 ft.....		.10
2405	<i>Paspalum elegans</i> , pretty for borders or shrubberies; 2 ft.....		.10
	Pennisetum. The most distinct and beautiful of ornamental grasses.		
2406	— <i>fimbriatum</i> ; 1 ft.....		.05
2407	— <i>longistylum</i> ; 1½ ft.....		.05
2408	— <i>setosum</i> , covered with silky hairs, brilliant as rubies; 1½ ft.....		.10
2415	<i>Poa amabilis</i> (<i>Abyssinian grass</i>).....		.10
2418	<i>Setaria macrochaeta</i> , elegant; 1½ ft.....		.10
2420	<i>Uiola latifolia</i> , beautiful in bouquets or other decorations; 3 ft.....		.10
	Zea (<i>Ornamental Maize</i>). Valuable sub-tropical plants. Japonica is much prized for its beautifully variegated foliage.		
2424	— <i>gracillima</i> (<i>Miniature Maize</i>); 2 ft.....		.10
2425	— <i>Japonica variegata</i> (<i>Striped maize</i>); a well-known plant; 3 ft.....		.10

PERENNIAL VARIETIES.

2430	<i>Agrostis Stevenii</i> , graceful; 1 ft.....	.10
	Andropogon. Those enumerated are of large growth and fine sub-tropical plants, imparting to shrubberies or lawns quite a picturesque appearance.	
2433	— <i>argenteus</i> ; 5 ft.....	.10
2434	— <i>bombycinus</i> , silvery spikes; 6 ft.....	.10
2435	— <i>Schimperii</i> , very stately; 6 ft.....	.10
2438	<i>Arundo conspicua</i> (<i>New Zealand Pampas grass</i>); 8 ft.....	.10
2439	— <i>donax versicolor</i> , striped foliage; a well-known sort; 7 ft.....	.10
2442	<i>Bromus brizaeformis</i> , fine Briza-like; excellent for bouquets; 1 ft.....	.05
2443	— <i>macrostachys</i> , fine grass for mixed borders; 1½ ft.....	.05
2448	<i>Chloris barbata</i> , bearded; 1 ft.....	.10
2450	<i>Chloropsis Blanchardiana</i> , bottle-brush-like flowers of a bright rose-color; a variety of great merit; 4 ft.....	.10
2455	<i>Erianthus ravennae</i> , a noble grass, resembling the Pampas; 7 ft.....	.10
2456	— <i>violascens</i> , violet tinted; 7 ft.....	.10
2460	<i>Eulalia Japonica</i> . Magnificent new Japanese ornamental grass of robust growth, attaining a height of 6 to 7 feet, and a circumference of about 17 to 18 feet. A single plant throws up from 30 to 40 elegant recurved flower-spikes of a light violet color.....	.25
2461	<i>Eulalia Japonica zebrina</i> . This beautiful grass grows from 3 to 4 feet high, and is said to be quite hardy. It has a grand appearance when in bloom, and is very valuable for growing as a single specimen or grouping with other plants on the lawn....	.25
	Festuca. Dwarf, well-known compact-growing grasses.	
2464	— <i>pectinella</i> , for bouquets and edgings; ¾ ft.....	.05
2465	— <i>viridis</i> , fine edging plant; ¾ ft.....	.05
2470	<i>Gynierium argenteum</i> (<i>Pampas Grass</i>); a well-known variety; 7 ft.....	.10
2471	— — <i>roseum</i> , rose-tinted; 7 ft.....	.10
2472	— — <i>variegatum</i> , foliage variegated; a magnificent sort; 7 ft.....	.10
2478	<i>Isolepis gracilis</i> , fine for jardinet; ¾ ft.....	.10
	Stipa. Of all grasses the most elegant in the flower border, and bouquets.	
2480	— <i>elegantissima</i> , extremely elegant; the best of its class; 2 ft.....	.25
2481	— <i>intricata</i> , very elegant; 2 ft.....	.10
2482	— <i>penata</i> (<i>Feather Grass</i>); 2 ft.....	.10
2485	<i>Tricholena rosea</i> , very pretty; 1 ft.....	.10
2486	— <i>violacea</i> ; 1 ft.....	.10
2490	<i>Tripsacum dactyloides</i> , pretty for edgings; ¾ ft.....	.10
2491	— <i>monostachyum</i> , drooping leaves and cylindrical spikes of inflorescence; 5 ft.....	.10

CHOICE FLOWER SEEDS IN QUANTITY.

(For description of which, see preceding pages.)

As many of our customers require larger quantities of Flower Seeds than are usually sold in packets, we offer a few of the leading sorts by weight. They have been selected as the most effective and ornamental for bedding, edgings, or similar situations, and will be found most economical where extensive sowings are required.

The numbers prefixed refer to their position in the body of the Catalogue. We will mail free, at prices quoted, but no discount or premium can be allowed; and unless the price exceeds fifty cents per ounce, not less than one ounce packets will be sold.

No.		Per oz.	No.		Per oz.
266	<i>Acroclinium roseum</i>	\$0.50	1333	Larkspur, dwarf rocket, mixed.....	\$0.60
267	— <i>album</i>	.50	1335	— tall, branching.....	.50
278	<i>Ageratum Mexicanum</i>	.75	1355	Lavender.....	.50
300	<i>Alyssum</i> , sweet.....	.75	1378	<i>Linum grandiflorum coccineum</i>	.75
309	<i>Amaranthus melancholicus ruber</i> ..	.75	1409	<i>Lobelia speciosa</i>	2.00
312	— <i>tricolor</i>	.50	1438	<i>Lupinus</i> , annual, mixed.....	.50
353	<i>Antirrhinum</i> , dwarf, fine mixed.....	1.00	1478	Marigold, African, mixed.....	.50
354	— tall, fine mixed.....	.75	1489	— French, mixed.....	.50
368	<i>Aquilegia (Columbine)</i> , mixed.....	.75	1507	Marvel of Peru, mixed.....	.30
413	<i>Aster</i> , German, quilled.....	1.00	1544	Mignonette, large-flowered pyramidal, for florists' use.....	.30
418	— <i>Truffaut's Perfection</i>	4.00	1545	— sweet..... per lb., \$2.00.....	.20
429	— choice mixed.....	.75	1546	— "The Prize".....	1.00
452	Balloon vine.....	.50	1605	<i>Nasturtium</i> , Tom Thumb, mixed.....	.50
455	Balsam, double white.....	1.50	1620	— tall, mixed.....	.30
456	— double crimson.....	1.50	1630	<i>Nemophila</i> , mixed.....	.40
457	— camellia-flowered, mixed.....	2.00	1679	Pansy, Belgian or Fancy.....	10.00
459	— fine double mixed.....	.60	1680	— English Show.....	10.00
470	<i>Bartonia aurea</i>	.50	1700	— choice mixed.....	4.00
505	<i>Cacalia coccinea</i>	.75	1701	— good mixed.....	2.00
545	<i>Calliopsis</i> , fine mixed.....	.50	1716	Peas, sweet—Butterfly.....	.50
580	Canary-Bird Flower.....	1.00	1718	— Painted Lady.....	.20
583	Candytuft, dark crimson.....	.50	1720	— scarlet.....	.20
584	— white, fragrant.....	.40	1721	— striped.....	.15
587	— white rocket.....	.60	1722	— Violet Queen.....	.50
595	— mixed.....	.40	1723	— white.....	.15
616	Canna, fine mixed.....	.50	1724	— mixed..... per lb., \$1.00.....	.10
621	Canterbury Bells, double, mixed.....	1.00	1770	<i>Petunia</i> , choice mixed.....	1.00
624	— single, mixed.....	.75	1799	<i>Phlox Drummondii</i> , mixed.....	.75
655	Catchfly, mixed.....	.75	1830	<i>Poppy</i> , double, mixed.....	.50
670	<i>Celosia</i> , fine mixed.....	1.00	1859	<i>Portulaca</i> , fine mixed.....	.60
741	<i>Cineraria maritima (Dusty Miller)</i> ..	1.00	1860	— <i>grandiflora</i> , double.....	5.00
758	<i>Clarkia</i> , fine mixed.....	.50	1903	<i>Pyrethrum (Golden Feather)</i>	2.00
800	<i>Collinsia</i> , fine mixed.....	.50	1950	<i>Ricinus</i> , fine mixed.....	.30
818	<i>Convolvulus major (Morning Glory)</i> ..	.25	1965	<i>Salpiglossis</i> , finest mixed.....	1.00
830	— minor, fine mixed.....	.30	1977	<i>Salvia splendens</i>	5.00
868	<i>Cypress vine</i> , crimson.....	.60	1997	<i>Scabiosa (Mourning Bride)</i>	.75
870	— white.....	.75	2000	<i>Schizanthus</i> , fine mixed.....	.75
915	<i>Dianthus chinensis (China Pink)</i>	1.00	2025	Sensitive Plant.....	.75
957	<i>Digitalis (Foxglove)</i> , mixed.....	.50	2040	<i>Senilax</i>	3.50
1010	<i>Eschscholtzia</i> , mixed.....	.50	2092	Stocks, German ten-week, large-flowered, mixed.....	4.00
1015	<i>Euphorbia variegata</i>	.50	2085	— mixed.....	2.00
1020	Everlasting Flowers, mixed.....	1.00	2125	Sweet William, auricula-flowered.....	.75
1088	<i>Gilia</i> , fine mixed.....	.40	2135	— fine mixed.....	.50
1110	Globe amaranthus, mixed.....	.60	2161	<i>Thunbergia</i> , fine mixed.....	.50
1130	<i>Godetia</i> , fine mixed.....	.50	2221	<i>Verbena</i> , fine mixed.....	2.50
1240	<i>Hibiscus Africanus</i>	.50	2260	Virginia Stock, mixed.....	.50
1245	Hollyhock, choicest mixed.....	5.00	2314	<i>Zinnia</i> , finest double, mixed.....	.75
1246	— fine mixed.....	1.00	2316	— single mixed.....	.50
1271	<i>Ipomœa coccinea (Star Ipomœa)</i>	.40			
1310	<i>Kauffussia amelloides</i>	.75			

WILD GARDEN SEEDS.

The introduction of these has proved a most marked success, and we are daily in receipt of the most satisfactory evidence of the estimation in which the wild garden is held, wherever this modest phase of floriculture has found a home. Any one who has planted and cultivated flowers in neatly laid out beds or carefully planned ribbon borders is aware of the amount of labor and constant attention necessary to produce the desired effect. To those who cannot give this care, the "Wild Garden" presents a substitute which, for its unusual and varied effects, for cheapness and the small amount of labor necessary for its construction, has no rival. "Wild Garden Seeds" are a mixture of over one hundred varieties of hardy Flower-seeds, and being mixed together can be offered at a much less price than when sold in separate packets. No one who has not seen such a bed can form an idea of its possibilities, the different seasons of bloom insuring something new almost every day. Half-ounce packets, with full cultural directions, 25 cents.

DRIED NATURAL FLOWERS.

IMMORTElLES, MOSSES, GRASSES, Etc.

In Great Demand for making into Wreaths, Crosses, Winter Bouquets, Christmas Decorations, etc.



Original Bunch.

They are particularly desirable on account of their durability, as they retain their form and brilliant colors for a long time, besides being very cheap.

French Immortelles.—In original bunches, about 8 inches in diameter; if sent by mail, 10 cents per bunch extra.

	Per Bunch.
White	\$0.60
Golden Yellow	.40
Green	.60
Rose	.75
Spotted	.60
Blue	.75
Orange	.60
Violet	.60
Red	.60
Magenta	.75

Mixed colors, per bunch, 75 cents; small bunches, 30 cents.



Single Stem.

DRIED NATURAL FLOWERS.

Acroclinium.—Rose or white; per doz., 10 cts.; per hundred, 50 cts.

Autumn Leaves.—Per doz., 25 cts.

Cape Flowers.—Natural colors; per doz., 15 cts.; per hundred, \$1.00; dyed in brilliant colors, per doz., 20 cts.; per hundred, \$1.50.

Edelweiss.—A pretty, velvety white, Alpine flower, each, 10 cts.; per doz., \$1.00.

Ferns.—Hartford, pressed; per doz., 50 cts.

—Malden Hair, " " 50 cts.

Helichrysum.—Natural colors, per oz., 15 cts.; per ½ lb., 50 cts.; dyed in brilliant colors, oz., 25 cts.; ½ lb., 75 cts.

Helichrysum.—Native, natural colors in bunches (of about 25), 25 cents each.

Moss.—Dyed green, purple, red, etc., small bunches, each, 10 cts.; per doz., 75 cts.

Moss.—French, dyed green; large bunches; each, 20 cts.; per doz., \$2.25.

Moss, Florida.—Selected, per lb., 40c.

Moss, Sea.—Prepared, per bunch, 50c.

Statice incana hybrida.—Natural colors, oz., 15c.; ½ lb., 50c.

EVERLASTING BOUQUETS.

Being beautifully and tastefully arranged, in bright and pleasing colors, these permanent ornaments are greatly admired.

Round Bouquets.—Composed of colored grasses, immortelles, etc., 25c. to \$1.50 each, according to size.

Feather Grass Bouquets.—Very graceful, 75c. to \$1.50 each.



DRIED ORNAMENTAL GRASSES, ETC.

Agrostis Nebulosa.—A most delicate and graceful grass, natural, per oz., 20c.; ½ lb., 70c.; dyed, per oz., 25c.; ½ lb., 75c.

Animated Oats.—Natural, per oz., 15c.; ½ lb., 50c.; dyed, per oz., 20c.; ½ lb., 60c.

Briza Maxima (Quaking Grass).—Natural, per oz., 20c.; ½ lb., 60c.; dyed, per oz., 25c.; ½ lb., 75c.

Bromus brizaeformis.—Somewhat like the preceding; natural, per oz., 15c.; ½ lb., 40c.; dyed, per oz., 25c.; ½ lb., 75c.

Lagurus Ovatus (Hare's Tail Grass).—Natural, per oz., 20c.; ½ lb., 60c.; dyed, per oz., 25c.; ½ lb., 75c.

Pampas Grass (Gynerium Argenteum).—This beautiful silvery grass is the most showy of all, for decorating during the winter months. The plumes vary in length from 12 to 36 inches. Natural, each, 10c. to 35c.; per doz., \$1.00 to \$3.50, according to quality, beautifully dyed or tinted in choice colors, each, 50c.

Phragmites Communis (Jersey Plume Grass).—Natural, in 3 sizes—15c., 20c., and 25c. per doz. Colored, 40c., 50c., and 75c. per doz.

Sea Oats (Uniola Paniculata).—Natural, single spray, 3c.; per doz., 25c.; dyed in brilliant colors, 4c.; per doz., 35c.

Stipa Pennata (Feather Grass).—Natural, extra quality, in bunches (of about ½ oz.), 25c. each; dyed, 50c. each; natural, on the stem, per oz., 20c.; ½ lb., 60c.

Wheat and Oats.—Bleached, per oz., 15c.; ½ lb., 50c.

Pampas plumes cannot be sent by mail, on account of their length. If a more complete list than the above is desired, our Catalogue of Dried Flowers and Grasses will be mailed, free, on application.

METALLIC & PORCELAIN WREATHS AND CROSSES

Of leaves and flowers for tombs and various decorative purposes unaffected by the weather, heat or dust. Much admired everywhere. They can be had in three styles, viz.: entirely of metal, of metal leaves and porcelain flowers, entirely of porcelain in various patterns each. Prices from \$3.00 to \$10.00 each.

SUMMER FLOWERING BULBS.

GLADIOLUS.

Rare and Beautiful French and Belgian Hybrids of *Gladiolus Gandavensis* sent by mail, post-paid, upon receipt of price affixed.

Our collection of this magnificent tribe of plants is one of the most extensive in this country, and embraces many new and rare varieties not before offered.

The colors comprise the most brilliant of orange, scarlet, and vermillion tints upon yellow and orange grounds, including a graduated scale of intermediate shades—from white, with rosy blush and salmon rose tints, to salmon red and nankeen; from blush white, with purple crimson throat and marginal streaks of pink, to light rosy salmon grounds with flakes of deep carmine. Thus, from white up to rose, and rose to the brightest and deepest crimson, and from crimson to the brightest orange, flame, and scarlet, this very splendid selection affords a combination of the richest conceivable colors, which no other *genus* can offer.

To keep up a constant flowering from July to September, it is only necessary to plant at the end of March, or early in April, a portion of the bulbs (choosing the smallest), a second portion about the end of April, a third about the 15th of May, and the last at the end of May—preserving the largest bulbs for the last planting.

The culture of these is attended with no difficulty. It is only necessary to plant them in ordinary garden mold; they object to no soil but a stiff clay, and succeed best in good earth, manured well with well-rotted horse-dung. If planted in rows, the rows ought to be from eleven to thirteen inches apart, and the bulbs in each row from six to ten inches apart, according to the size of the bulbs. Depth of planting, two to two and a half inches. While growing they must be copiously watered, if the season is dry. In the Autumn, when the stalks are quite dry, the bulbs are to be taken up and placed in a dry place—better on shelves—protected from the frost, where they will keep well till needed for planting again. The stalks cut from the *Gladiolus* flourish well in water; the bulbs, slightly developed, expand readily, and continue to flower for some time. Pretty bouquets for rooms can be made by mingling them with light branches like the Tamarisk, the Asparagus, or leaves of the smaller reeds.

NEW VARIETIES FOR 1882-1883.

- Abricoté.**—Large rounded petals of a very fresh apricot-rose, slightly tinged with lilac. Late flowering variety, robust and vigorous. \$7.00 each.
- Arabi Pacha.**—Scarlet flowers of a very bright shade, with a large ivory white blotch, golden at the edges; very original color. \$5.00 each.
- Bayard.**—Fine spike of large carmine-red flowers, slightly tinged with lilac, delicately banded with white in the center of the petals. Vigorous and very hardy. \$4.00 each.
- Bicolore.**—Very distinct and striking variety, with large flowers of bright rosy salmon, with the exception of the lower petals, which are ivory-white, suffused with rose at the edges. \$5.00 each.
- Blondine.**—Tall, compact spike of large straw-colored flowers, slightly streaked at the edges with rosy lilac. Very delicate shade; vigorous. Height, three and a half feet. \$4.00 each.
- Corsaire.**—Very fine and compact spike, with large flowers of a very intensive dark and velvety scarlet, tinted with brown at the edges of the sepals. Height, four feet. \$3.50 each.
- Fatma.**—Very large flowers of ivory-white ground, profusely striped and suffused with bright rosy salmon; violet blotch on creamy ground. \$3.50 each.
- Feu Follet.**—Well opened flowers, with ivory-white throat, richly tinted and striped with carmine at the edges of the sepals. \$3.50 each.
- Gloire de Fontainebleau.**—Tall spike of well-opened large flowers of bright rosy carmine, striped red at the edges; white band in the middle of the sepals. \$3.50 each.
- Grand Rouge.**—Splendid spike of large flowers of bright scarlet, with small violet blotch. Splendid variety of grand effect. \$5.00 each.
- Néréide.**—Long and compact spike of large flowers of mother-of-pearl rose, suffused with lilac blotched bright violet. Very delicate color. \$6.00 each.
- Pépita.**—Middling compact spike of bright golden yellow flowers, slightly striped carmine at the edges of the petals toward the end of the flowering season. The most free flowering yellow variety of all grown till now. \$3.00 each.

NEW VARIETIES INTRODUCED IN 1882.

- Cervantes.**—Flowers very large, of bright rose-color, slightly tinged lilac, and profusely streaked and suffused with carmine and pure white band on each petal. \$2.00 each.
- Dr. Fontan.**—Close spike of well-opened flowers, rosy-lilac, blotched with bright carmine, specially on the edges; fine plant, very distinct. \$3.00 each.
- Flamboyant.**—Beautiful spike of large flowers, fiery scarlet; very effective variety. \$3.75 each.
- Jeannette.**—Large, bright rose flowers, richly striped and blotched with rosy carmine at the edges; close spike, very fine. \$2.50 each.
- Mabel.**—Splendid spike of large, perfect flowers, pure white in the center, and blotched with brilliant carmine at the edges; extra fine. \$3.00 each.
- Mlle. Marie Verdalle.**—Very fine and large flowers of rosy-salmon ground, flamed and striped vermillion and dark carmine; large creamy-white blotched streaked violet. \$4.50 each.
- Mount Etna.**—Long spike of large, well-arranged flowers of the most brilliant velvety scarlet, slightly streaked with deeper scarlet at the edges, white band in the center of the upper petals; very effective variety. \$3.50 each.
- Opale.**—Fine spike of large flowers of extremely delicate rose; a charming variety of the freshest color. \$3.00 each.
- Teresita.**—Lovely and very distinct flower, upper petals of pure white, suffused with rose and striped carmine at the edges; lower petals pale rose, largely blotched and striped with bright violet, stamens white. \$3.00 each.

GLADIOLUS—GENERAL COLLECTION.

Purchasers selecting one dozen varieties from the following list will be entitled to a discount of five per cent. from Catalogue prices; twenty-five varieties, discount of ten per cent.; fifty varieties, fifteen per cent.; the entire collection, twenty per cent.

As our stocks of some of the varieties become exhausted as the season advances, purchasers will please state whether they wish any other substituted in the event of our being out of the variety ordered.

When single price is 10c., we supply at \$1.00 per dozen; when 20c., \$2.00 per dozen; when 30c., \$3.00 per dozen.

	Each.		Each.
Achille. —Beautiful currant-red, white stripe in the middle of each petal.....	\$0.20	Camille. —Extra large flowers of a beautiful magenta-lilac color, shaded toward the center, flamed and feathered with dark lilac; a splendid variety, with robust, tall spike.....	\$1.25
Addison. —Dark amaranth, with white stripes.....	.25	Canari. —Light yellow, streaked with rose on the lower petals.....	.25
African. —Entirely distinct variety of quite a novel color, slaty-brown on scarlet ground, streaked with scarlet and pure white, with conspicuous white blotch; a dark colored variety of remarkable effect; dense spike....	1.25	Carnation. —Large, well expanded flowers of a fleshy-white color, profusely tinged at the edges with the richest carmine, the lower petals blotched purplish-carmine, fine, long, well furnished spike.....	1.00
Agatha. —Rose, suffused with lake, flamed with carmine amaranth, clear yellow spots.....	.20	Ceres. —Pure white, spotted with purplish-rose.....	.20
Alexander. —Intense crimson-scarlet.....	.30	Charles Dickens. —Delicate rose, tinted with buff, flamed and striped carmine-rose.....	.20
Amalthée. —Pure white, large violet-red blotch, ground of the corolla velvety-violet, the lower petals slightly tinged with lilac....	.25	Cherubini. —White, flamed carmine-violet.....	.20
Amaranthe. —Fine, well-shaped flower of pale violet-rose ground, richly flaked and speckled with bright carmine.....	.30	Chloris. —White ground, profusely mottled with carmine, flamed with purplish-carmine, lower petals blotched distinctly with carmine-purple.....	.75
Ambroise Verschaft. —Rosy-carmine, flamed with garnet, large rose blotch.....	.30	Christopher Columbus. —Rosy-carmine, flamed red, large violet-red, blotch on lower petals marbled and spotted crimson.....	.50
Andromède. —Very tall spike of well-shaped flowers, of a fine rose color, slightly tinted with carmine and profusely streaked with white, large, yellow blotch.....	.65	Cicéron. —Fine dark rose, tinged with violet-crimson carmine, flamed with bright carmine, throat white, novel shade.....	.35
Angele. —White; showy and effective.....	.15	Citrus. —The upper petals light yellow, the lower petals darker.....	.30
Anna. —Cherry, tinged bright orange, lower petals striped dark carmine on white ground.....	.35	Cleopatra. —Soft lilac, the lower petals of a darker hue, suffused with violet; purple feathered blotch.....	.15
Antigone. —Delicate rose, flamed with carmine.....	.30	Colbert. —Cherry-red, slightly tinged orange, a white stripe down the middle of each petal.....	.20
Antonius. —Scarlet-cherry, slightly tinged with orange, flamed carmine, pure white blotch.....	.10	Conde. —Light orange-red, white blotch, feathered carmine.....	.20
Apollon. —Rosy-lilac, with a large, light rose blotch, finely striped white in center.....	.15	Conquete. —Bright cherry-red, with a conspicuous pure white blotch, upper petals striped with delicate rose.....	.75
Aréthuse. —White, slightly tinted with rose, suffused and striped with light carmine.....	1.25	Corinne. —Rosy-carmine flowers, shading off to cherry, streaked pure white, and pencilled carmine at the edges; blotch creamy-white striped violet.....	3.50
Arsinoe. —Fine satin-rose, flamed with bright carmine.....	.15	Crocus. —Yellow, shaded darker toward the center, flamed carmine at the edges, and feathered amaranth-red on salmon ground....	.30
Asmodée. —Brilliant cherry-purple, edged and flamed garnet, with white stains and stripes.....	.60	Dalila. —Bright rose flowers, streaked and flamed with carmine; pure white blotch....	3.00
Astree. —Pure white, with distinct violet carmine blotch, throat suffused with pale lilac, novel shade of color.....	.35	De Humboldt. —Magenta, bordered and flamed with bright crimson, carmine feathered white blotch.....	.35
Athalia. —Violet, slightly tinted with rose, flamed with purple; novel color.....	.35	Delicatissima. —White, suffused with soft carmine-lilac, the pure white, lower petals edged lilac.....	.15
Atlas. —Well furnished spike, with numerous large flowers, transparent white, slightly tinged with lilac and conspicuously striped with bright violet.....	2.00	De Mirbel. —Fine rose, slightly tinted with lilac-violet, striped and flamed with dark carmine.....	1.00
Aurore. —Bright salmon-rose, striped orange, carmine, and lilac, blotched cherry-rose, streaked violet; very bright, lovely shade....	3.50	Demosthenes. —Bright rose, profusely flamed with intense carmine, streaked pure white, bright center, blotched violet-carmine.....	1.50
Baroness Burdett Coutts. —Delicate lilac, tinged with rose, flamed rosy-purple, spike very long, flowers unusually large; a decided acquisition.....	2.00	Diamant. —Flowers extra large, fleshy-white, of a remarkable freshness, throat ivory-white, blotched, and streaked carmine.....	1.25
Beatrix. —Pure white ground, delicately flushed with carmine-lilac.....	.40	Dinna. —Blush, white shaded rose.....	.20
Belladonna. —White, tinted with light lilac, lower petals with bright carmine stripes....	.75	Didon. —White, suffused with pale lilac, lower petals pure white.....	.50
Bernard de Jussieu. —Violet, shaded cherry and purple, purple blotch on white ground....	.15	Diomede. —White, flamed with crimson, dark carmine-violet blotch.....	.35
Bijou. —Bright orange-cherry, flamed with scarlet; brilliant.....	.15	Duc de Malakoff. —White ground, feathered blotch of deep orange.....	.20
Brémontier. —Bright rose, profusely tinted carmine, blotch and bands pure white, streaked violet, fine effective spike.....	2.00	Dumont d'Urville. —Bright cherry, flaked and striped rich carmine, distinct pure white blotch, white stripe in center of each petal....	1.50
Brenchleyensis. —Bright vermilion scarlet.....	.10		
Camelion. —Fine compact truss of large slaty-lilac flowers, flamed orange, white bands down the middle of each petal, large creamy-white blotch, streaked violet.....	1.50		

GLADIOLUS—GENERAL COLLECTION.—Cont'd.

	Each.		Each.
Eclair. —Bright scarlet, flamed fiery red, blotch pure white, with broad, white bands in the center of each petal.....	\$2.50	Leander. —Lilac, beautifully shading off to carmine, a distinct white band in the middle of each petal, and conspicuous white blotch on lower petals.....	\$0.75.
Eglantine. —Pure white, tinged with delicate rose, and profusely flamed and edged with carmine-red.....	.75	Le Poussin. —Light red, white blotch.....	.15.
Esmeralda. —Ground ivory-white, striped and flaked with carmine-red, lemon-colored blotch, tall and fine spike.....	1.50	Lesseps (de). —Pure white ground, profusely striped and bordered with bright carmine... ..	2.50
Etendard. —White, slightly suffused carmine.....	.25	Le Titien. —Very brilliant rosy-scarlet.....	.25
Eugene Scribe. —Flower very large and wide, perfect, tender rose, with blazed carminate red.....	.20	Lord Byron. —Brilliant scarlet, blotched and flaked pure white.....	.10
Felicien David. —Light carmine, feathered white blotch.....	.20	Mme. Lesèble. —Pure white, rose blotch.....	.30
Flamboyant. —Beautiful spike, fiery scarlet.....	3.00	Mme. Monmeret. —Delicate rose, with white stripe in the center of each petal, carmine blotch on salmon ground.....	.10
Flamingo. —Fiery red, blotch of rich purple.....	3.00	Mme. de Vatry. —French white, purplish-carmine blotch.....	.20
Flavia. —Bright red.....	.10	Marie Berger. —Rosy-lilac, blotched and striped with red, shading into yellowish-rose toward the center; dense spike of well-opened flowers.....	1.75
Florian. —Cherry-rose, violet blotch, center of the petals streaked white.....	.10	Marie Dumortier. —White streaked rose, violet-purple blotch.....	.10
Fulton. —Velvety-vermilion, blotch bright purple.....	.15	Mars. —Beautiful scarlet.....	.10
Galathea. —Blush-white, with carmine blotch.....	.10	Martha. —White, flamed with carmine-rose.....	.10
Greuze. —Intense cherry, flamed with lake, white blotch.....	.10	Matador. —Brilliant carmine-red, striped and blotched pure white.....	.75
Gulliver. —Tall spike, of large, bright carmine flowers, conspicuous white bands in the middle of each petal, pale yellow blotch slightly streaked, violet.....	2.50	Mathilde de Landevoisin. —White, slightly tinted with flesh-colored rose, streaked with carmine.....	.20
Hecla. —Fiery orange-scarlet, center pure white feathered carmine, middle-sized flower.....	.75	Mazepa. —Orange-rose, large yellow blotch feathered with red.....	.10
Hermione. —White ground, entirely covered with numerous and delicate lilac and carmine stripes, large, pure white blotch, slightly streaked violet.....	2.00	Meyerbeer. —Brilliant scarlet, flamed with vermilion, amaranth-red blotch.....	.25
Hesperide. —Profusely blotched and flaked, bright rosy-salmon, on a pure white ground.....	1.00	Milton. —Cherry-rose, flamed with red.....	.40
Horace. —Rich scarlet, large, pure white blotch, feathered red.....	.25	Mirabilis. —Light red.....	.10
Horace Vernet. —Bright purple-red, large, pure white blotch, feathered red.....	.40	Mr. A. Brongniart. —Rose ground, slightly tinted with orange flamed with red, large, white blotch.....	.75
Hortense. —Beautiful rose-color on white ground, flamed carmine.....	.25	Mr. Lebrun d'Albanc. —Brilliant red, pure white blotch.....	.10
Isaac Buchanan. —The best yellow variety grown.....	.50	Mr. Legouvé. —Fiery-red, white line down the middle of the upper petals, pure white blotch.....	.50
Ida. —White ground, slightly tinted with rose, flamed with carmine rose, lower petals light yellow.....	.10	Napoleon III. —Bright scarlet, white striped in the center of the petals.....	.10
Isabella. —Pure white, with large, dark carmine-violet blotch.....	.30	Nelly. —White, flamed with carmine-rose, large blotch of dark carmine.....	.10
Isis. —Vermilion-scarlet, white blotch.....	.30	Ninon de Lenclos. —Plush, flaked with rose.....	.10
James Carter. —Light orange-red, white blotch.....	.10	Niobe. —Flowers extra large, of good shape, pale glossy rose, flamed profusely with rosy carmine.....	.75
James Veitch. —Bright crimson, violet blotch.....	.30	Norma. —Pure white, occasionally very slightly suffused with pale lilac.....	.35
Jeanne d'Arc. —White, slightly tinted with rose, streaked and blotched carmine-purple.....	.25	Ophir. —Dark yellow, purple blotch.....	.20
Jeannette. —Large, bright, rose flowers, richly striped and blotched with rosy-carmine at the edges; close spike, very fine.....	2.50	Oracle. —Very brilliant, cherry-rose.....	.20
John Bull. —White, slightly tinged with sulphur.....	.10	Orpheus. —Rose-cherry, flamed with carmine, carmine-purple blotch.....	.50
Jupiter. —Light red, shading off to dark crimson.....	.75	Ossian. —Bright rose, tinged with violet and flamed with carmine, light ground.....	.30
La Cauder. —White, lightly striped carmine-violet.....	.30	Ovide. —Carmine-red flowers, with a lilac sheen, flamed toward the edges with garnet-red, and pure white blotch.....	1.25
Lacépède. —Rose, tinged cherry and violet.....	.40	Pactole. —Beautiful yellow, slightly tinged with rose at the edges, blotch of a darker shade.....	.35
Lady Franklin. —White, slightly tinged with rose, finely streaked with carmine, and flamed with carmine-rose.....	.75	Panorama. —Lilac, shaded, and mottled with brilliant carmine, throat creamy white, center of each petal banded white.....	.50
La Favorite. —Rose, flamed with carmine, lower petals light yellow.....	.25	Parmentier. —Clear amaranth, flamed carmine, and tinged with lilac, pure white bands, carmine, feathered on white ground.....	.90
Lamarck (de). —Cherry-colored, slightly tinted with orange, blazed with red, center very well lighted, very large, pure white stain.....	.20	Pasquin. —Brilliant scarlet, shaded fiery red and striped with lilac, white edges of petals slightly suffused with slate-color.....	1.00
Laura. —Light orange-red, tinged and flamed with carmine; pure white blotch.....	.15	Penelope. —Blush white, lower petals tinted with yellow, streaked carmine.....	.20
		Phœbus. —Brilliant red, with large, pure white and very conspicuous blotch.....	.50

GLADIOLUS—GENERAL COLLECTION.—Cont'd.

	Each.		Each.
Primative. —Rose, slightly tinged with lilac, flamed with bright carmine, carmine blotch on white ground.....	\$0.25	Shakespeare. —White, very slightly suffused with carmine-rose, large rosy blotch.....	\$0.50
Princess of Wales. —White, flamed with carmine rose, deep carmine blotch.....	.10	Stella. —White, slightly tinted with yellow and rose, flamed with carmine.....	.10
Psyche. —Delicate rose, bordered and flamed with dark carmine, well lighted center.....	.50	Sulphureus. —Sulphur-colored.....	.25
Pygmalion. —Cherry-red, slightly flamed with red of a darker shade, pure white blotch feathered violet, each petal has a white band down the middle.....	1.25	Sulphide. —White, flamed with carmine, very large purple-carmine blotch.....	.20
Rebecca. —White, slightly mottled and veined with lilac.....	.10	Sylvie. —White, slightly edged with delicate cherry-rose, throat very clear, perfectly shaped, well opened flowers.....	.50
Redoute. —Rose, slightly tinted with violet, flamed with bright carmine, large, white blotch.....	.25	Talisman. —Fine violet, with a large margin of bright carmine-cherry, veined pure white.....	.60
Regina. —White, very slightly suffused with pale lilac.....	.30	Talma. —Fine spike of rosy-carmine flowers, flamed with bright carmine and striped scarlet and pale violet; blotch amaranth-red speckled with sulphur-yellow.....	3.00
Reine Blanche. —Pure white, dark carmine blotch.....	.25	Thalia. —White, flamed and streaked with carmine.....	.20
Reine Victoria. —Pure white, carmine-violet blotch.....	.20	Themis. —Fine spike of delicate satin-rose colored flowers, conspicuously flushed with carmine, cream-colored blotch.....	.25
Richard Cœur-de-Lion. —Fine spike of large flowers, of a bright crimson-red color, flamed and edged with garnet, lower petals spotted and blotched golden yellow.....	.40	Thomas Methven. —Violet, tinged with rose, center light transparent, shading off to carmine-violet.....	.25
Robert Fortune. —Orange-lake shading off to purple-crimson, veined white.....	.25	Thunberg. —Light orange, shaded cherry, blotch pure white.....	.25
Roi Leopold. —Blush-rose, slightly suffused with orange and shaded deep currant-red, white blotch.....	.25	Van Dyck. —Crimson-amaranth, striped with white.....	.25
Romulus. —Very brilliant dark red, large pure white blotch, large white lines on the lower petals.....	.25	Van Spandonk. —Fiery red; splendid.....	.35
Rosea Perfecta. —Fine rose, tinged violet, center very light, white veins on all petals.....	.25	Virgil. —Bright, glowing crimson.....	.40
Schiller. —Sulphur, with large carmine blotch.....	.25	Virginalis. —Pure white, bordered and flamed with carmine; delicate.....	.50
		Vulcan. —Velvety scarlet-purple, shaded violet-purple in the center.....	.25
		Zenobia. —Rose, slightly tinted with violet, flamed with dark carmine, white blotch, feathered with carmine.....	.20

COLLECTIONS OF NAMED GLADIOLUS.

Special collection not broken at price quoted.

- Collection A.** Marie Lemoine, La Landeur, Baroness Burdett Coutts, Africaine. \$2.00.
 — **B.** Shakespeare, Meyerbeer, Engesseri, Isaac Buchanan. \$1.00.
 — **C.** Eugene Scribe, Angele, Froebeli, Madr Monneret, Ceres, Sylphide. \$1.00.
 — **D.** Ten good named sorts. \$1.00.
 — **E.** Marie Lemoine, Lemoinei, Engesseri, Froebeli, Byzantinus, The Bride, Purpureo-auratus. \$2.00.

COLLECTIONS OF UNNAMED GLADIOLUS.

The following collections are made up from many of the named varieties whose names have been lost or mislaid, and from French and American hybridized seedlings:

- Collection I.** 12 fine varieties, white ground. \$1.00.
 — **J.** 12 fine varieties, rosy and red ground. 75c.
 — **K.** 12 fine varieties, yellow and light ground. \$1.00.
 — **L.** 12 fine varieties, fine mixed hybrids. 75c.

Fine mixed varieties for bedding purposes, 75 cents per dozen; \$2.50 for fifty; \$4.00 per hundred; \$30.00 per thousand.

HARDY GLADIOLUS.

The following comprises the New Hybrids and most beautiful varieties of this class. They are all good growers, and very desirable:

Purpureo-auratus.—This is a new species from Natal, quite distinct from the common species of Gladiolus, and very attractive. On a slender, bending stem, which rises to the height of three or four feet, are borne from eight to twelve nodding flowers, somewhat bell-shaped in form and yellow in color, with broad purple stripes on the lower divisions within. Its bulbs are small, and at the end of long runners numerous offsets are produced, which are more certain to flower the succeeding season than are the old bulbs. 20c. each; \$2.00 per dozen.

The four following varieties are hybrids between **Gandavensis** and **Gladiolus purpureo-auratus**, having much larger and finer flowers than the latter, and of most intense coloring. They are extremely handsome, and the price at which they are now offered places them within the reach of all.

	Each.		Each.
Engesseri. —Very deep pink, lower petals blotched bright maroon.....	\$0.50	Marie Lemoine. —Cream colored, purplish-violet blotched, bordered with deep yellow.....	\$0.50
Froebeli. —Flesh-colored, streaked with pink, carmine blotch, bordered with yellow.....	.50		
Lemoinei. —Pinkish cream, spotted deep purplish crimson, bordered with bright yellow and salmony red.....	.50		

The following are the best and most distinct of the remainder of the hardy varieties:

Byzantinus. —Crimson purple (per doz., 50c.).....	\$0.05
Cardinalis. —Bright fiery scarlet, flaked with white (per doz., \$1.25).....	.12
Dracoccephalus. —A most curious bronzy-yellow flower (per doz., \$4.00).....	.40
The Bride. —(<i>Colvilli alba</i>).—A most beautiful pure white variety (per doz., \$1.50).....	.15



Lilium Giganteum.



Lilium Tenuifolium.

NEW AND CHOICE LILIES.

Our collection of Lilies is one of the largest in the world, and contains all the new and rare varieties of recent introduction. See our Autumn Catalogue for directions for cultivation.

Lilium Longiflorum var. Harrisii. This is supposed to be a seedling of *Lilium Eximium*, the habit and flower being almost identical with that well known variety. It bids fair to eclipse all other forms of *Lilium Longiflorum*, in size of flower, freedom of bloom, and, above all, its continuous flowering, and the ease with which it can be forced into bloom, even in midwinter. The flowers are trumpet-shaped, measuring from seven to nine inches across, of good substance, and very fragrant. Habit of growth, free but dwarf, height being from fifteen to twenty inches. Perhaps the most commendable feature in this remarkable variety is its distinctive characteristic of blooming two or three times in succession, without rest, one grower reporting that it flowered last year no less than three times from a bulb no larger than a pea. We believe that, for a house plant, it will be unsurpassed, while the ease with which it can be forced, and the durability of the cut flowers, render it indispensable for florists. 1st size, 75 cents each, 7.50 per Doz.; 2d size, 50 cents each, 4.50 per Doz.

Lilium Longiflorum var. floribunda. This desirable new variety is also of the *Longiflorum* class, and was offered for the first time last season. It is a remarkably robust grower, and blooms about the same time as *L. Longiflorum*. The bulbs grow to an enormous size, and produce from ten to forty flowers each. A bulb of this variety was exhibited in New-York the past Spring, bearing one hundred and forty flowers. It is a native of Bernuda, and the bulbs we offer were imported from there. 1st size, 50 cents each; 2d size, 35 cents each.

Lilium Giganteum. With proper culture, this variety will grow from eight to twelve feet high, with large spikes of from fifteen to twenty flowers, of a fine white, striped reddish violet at the base, and of the most powerful fragrance; is nearly hardy, requiring only slight protection for the young growth, against frosts and winds in Spring. The large and beautiful foliage of this superb Lily entitles it to a first place as an ornamental plant, and amply repays the delay that sometimes occurs in getting it into a flowering state. 3.00 each.

Lilium Tenuifolium. Although not a new variety, this dazzling little gem is worthy of all praise. Every one who loves a Lily should secure several of these, as we now offer them at a price even lower than any previous wholesale figure. It blooms out of doors about the third week of May, and its graceful, wax-like flowers, of a lovely vermillion-scarlet, cannot fail to impart unalloyed pleasure to all lovers of the beautiful in nature. It is easily grown, and, being a native of Siberia, is, of course, perfectly hardy. Extra selected Bulbs, 50 cents each; 2d size, 25 cents each.

LILIES.

For years past the name of our firm has been intimately associated with the introduction of many of the leading varieties of this matchless flower. Convincing evidence of our efforts to maintain this reputation will be found in the following list, containing as it does several novelties now offered for the first time in this country. It is satisfactory to be able to call attention to a substantial reduction in price of many of the choicest Lilies, and better bulbs of all the standard sorts are offered at lower prices than ever before. The past season, having been extremely favorable for the bulb crops, enables us to make this reduction.

We cheerfully place our experience at the disposal of all not practically acquainted with the varieties best adapted for decorative purposes. Those desiring to experiment with a limited collection will find the following assortments at once economical and effective. They have been selected with great care, and will give a pleasing diversity of color and form, as well as a profusion and succession of bloom.

SPECIAL COLLECTIONS OF LILIES OF OUR SELECTION.

Collection	R	For Conservatory or Parlor decoration, 10 beautiful varieties (including <i>L. Harrisii</i>).	\$3 50
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A BEAUTIFUL COLORED PLATE OF LILIES is now in course of preparation, and will be presented free to every subscriber to the "American Garden," for 1883, and (on application) to all ordering Lilies to amount of two dollars.

GENERAL LIST OF LILIES,

EMBRACING ALL THE MOST DESIRABLE STANDARD VARIETIES.

	Each.	Doz.
Lilium Auratum (Golden-rayed Queen of Lilies). This magnificent variety has become one of the standard favorites of the flower garden, and is considered by many the finest of all Lilies. Their immense blooms—measuring nearly a foot in width when fully expanded—are produced in great profusion, and are deliciously fragrant. Choice home-grown bulbs, 40 and 60 cts. each, according to size.		
— Batemanæ . A Japanese Lily, growing from 3 to 4 feet high, and giving richly colored unspotted flowers of a bright Apricot tint; most desirable,	50	5 00
— Brownii . A magnificent variety, with fine, large foliage; flowers very large, fine white inside, purple outside. The stamens are a rich chocolate color, and form a very distinct feature in this species,	1 50	
— Canadense . Our bell-shaped native Lily; drooping, yellow and red flowers,	15	1 50
— fragens . A fragrant variety from Virginia,	30	3 00
— flavum . Flower bell-shaped, petals not much reflexed; yellow,	20	2 00
— rubrum . Vigorous grower; flower, rich dark red,	20	2 00
— Candidum . The well-known hardy garden-Lily; snow-white fragrant blossoms: one of the best varieties for forcing,	15	1 50
— flore pleno . A double variety of the preceding, very showy,	30	3 00
— striatum . Flowers striped with purple,	30	3 00
— Carniolicum . A fine early growing variety, deep orange red flower,	30	3 00
— Chalcedonicum . Intensely scarlet recurved blossoms, resembling Turk's caps,	60	
— Columbianum . A variety from the Columbia river; flowers bright reddish orange; densely spotted with purple dots; a miniature form of <i>L. Humboldtii</i> ,	25	2 50
— Concolor . Graceful, slender foliage, with numerous flowers of a brilliant crimson color,	25	2 50
— Coridon . Similar to preceding, except in color, the flowers being yellow, with black dots,	25	2 50
— Elegans (<i>Thunbergianum</i>). Erect grower; deep maroon flowers,	15	1 50
— atrosanguineum . Rich blood crimson, spotted with black,	15	1 50
— Alice Wilson . Bright straw-colored flowers, sparsely spotted with black; quite dwarf; a rare and desirable variety,	4 00	
— citrinum . Dwarf, with beautiful light-yellow flowers,	25	
— robusta . Of robust habit; flowers orange, changing to yellow,	35	
— sanguineum . Flowers very large; crimson, shading to tawny yellow, slightly spotted,	15	1 50
— staminosum . Blood crimson; perfectly double,	25	2 50
— Van Houttii . Very rich, deep scarlet, blotched with gold,	1 00	
— Venustum . Latest of all varieties, clear buff without spots,	30	
— Excelsum (<i>Isabellinum</i>). The stately form, beauty of color, and delightful fragrance of this variety, has made it a great favorite wherever grown. It grows from five to six feet high, and produces from six to twelve nodding Lilies, of a delicate light buff color,	50	5 00
— Kansonii . The flowers are borne in clusters, petals remarkably thick, giving the appearance of having been produced in wax. The outside is yellow, streaked with white, and the inside bright yellow, spotted with purple. It is one of the most interesting and valuable species introduced in some time,	1 50	

LILIES.—Cont'd.

	Each.	Doz.
Lilium Humboldtii (<i>Bloomerantum</i>). A remarkably fine variety, attaining the height of about five feet, and freely producing fine, large flowers of a golden-yellow color, spotted with purple; a native of California,	50	5 00
— Japonicum Colchesterii . One of the most beautiful Lilies in cultivation; a vigorous grower, producing large flowers, the interior of which is pure white, and the exterior of a pinkish brown,	3	00
— Kramerii . Since the introduction of the beautiful <i>L. Auratum</i> , nothing has been offered that will compare with this variety: the flowers range from a delicate blush to rich rose, and are delightfully fragrant. An acquisition of no little merit, owing to its beautiful shades of color,	60	6 00
— Longiflorum (Easter Lily). The well-known beautiful, snow-white, fragrant Lily; fine for forcing,	15	1 50
— eximium . An exceedingly handsome, pure white variety, that should be in every collection,	25	2 50
— foliis albo marginatis . A distinct variety, with foliage bordered with pure white; very scarce,	1	00
— Takesima . A late variety, with fine foliage and large white flowers,	30	
— Wilsoni . Similar to <i>L. Longiflorum</i> , but the flower is larger and tube longer,	40	
— Leichtlinii . A beautiful Japanese species of neat and elegant habit; the flowers are pure canary-yellow with crimson spots; a real acquisition,	75	
— Martagon (Turk's Cap). Various colors mixed,	25	2 50
— alba . Pure white, very scarce,	1	00
— Dalmaticum . Rich, glossy crimson-purple. A magnificent species,	75	
— Maritimum . A new California variety of a deep reddish orange color,	75	
— Maximowiczii (<i>Fortunii</i>). Like a tiger flower, but more delicate and no bullbets on the stem,	25	2 50
— Monadelphum . Rich citron color, spotted with black; one of the best of Lilies,	75	
— Pardalinum . Scarlet, shading to rich yellow; freely spotted purple brown,	25	2 50
— Parryi . An exquisite California variety; clear, yellow, trumpet-shaped flower,	75	
— Parvum . Curiously shaped canary-yellow flowers, slightly spotted with purple,	75	
— Pomponium Verum . Bright crimson scarlet, somewhat resembling <i>L. tenuifolium</i> , but more robust. An elegant variety,	50	
— Pulchellum . Brilliant crimson upright flowers of star-like appearance, spotted with black; new and highly desirable,	60	
— Speciosum Album . Pure white and very fragrant,	40	4 00
— Monstrosum . An interesting and distinct variety, with a broad, flat stem; pure white flowers; very floriferous,	25	2 50
— Kraetzerei . Pure, clear white; very beautiful,	1	00
— Melpomene . A magnificent variety, deep crimson, with blood-colored spots and bordered with white; very desirable,	75	
— præcox . Color pure white, with a slight rose tint on the ends of the petals; form perfect; petals more reflexed than in the other varieties of the species. The fringe in the center of the flower is very long and fine, giving it an exquisite appearance; it is perfectly hardy,	45	
— roseum . White, spotted with rose,	25	2 50
— rubrum . Rose, spotted with crimson,	25	2 50
— Monstrosum roseum and rubrum . Distinct varieties, with broad, flat stems, and in color similar to the two preceding; free blooming and effective. Either variety,	30	3 00
— Vestali . Pure white, without dots,	4	00
— Superbum . Beautiful and rich as many of our native lilies are, this far excels them all, bearing, as it does, a pyramid of yellowish-red flowers, from twenty to fifty in number; blooms early in July; in good soil it will frequently reach the height of eight feet,	15	1 50
— Tigrinum (Tiger Lily). Orange-salmon, spotted black,	15	1 50
— flore pleno (Double Tiger Lily). This is a plant of stately habit, growing from 4 to 6 feet high; foliage dark green, very long, bearing an immense number of double, bright orange-red flowers, spotted with black,	30	3 00
— umbellatum . Of vigorous growth, free bloomers, and in color vary from yellow flaked with red, without spots, to yellow or red covered with dots; very showy,	15	1 50
— Wallacei . A magnificent Japanese variety, with beautiful, clear buff flowers, spotted with black; very distinct,	50	
— Washingtonianum . One of the most beautiful Lilies yet introduced; flowers erect, pure white, with bright scarlet spots. They are produced in great numbers, and are very fragrant; plant one foot deep in well-drained soil,	75	

NEW GIANT FRENCH ANEMONES.

Preferred by many to the Dutch varieties, being of stronger habit, and producing a greater abundance and larger flowers of the most brilliant colors. The dazzling hue of the "Fulgens," and immense size and beautiful tints of the double-flowered varieties, cannot be excelled by any Spring-blooming plant.

Anemone fulgens (<i>Scarlet Windflower</i>).—Flowers large, of the richest vermilion or scarlet.	20c. each, \$2.00 per doz.
Anemone, single, French .—Splendid varieties mixed.	8c. " .75 "
" double, French .—Splendid varieties mixed.	25c. " 2.50 "

MISCELLANEOUS BULBS FOR SUMMER CULTURE.



Amaryllis Vittata.

AGAPANTHUS (African Lily).

This is one of the handsomest house plants yet introduced. It is naturally a Summer-blooming plant, and admirably suited for parlor or conservatory decorations, being attractive with its glossy green foliage and large trusses of magnificent bloom.

	Each.
Agapanthus umbellatus, blue.....	\$0.75
— fl. albus, pure white.....	1.00

AMORPHOPHALIUS RIVIERI.

This is a very curious plant, and will be found a most valuable acquisition to our list of ornamental foliaged plants for planting out in May. The plant has a flower similar to that of the Arum, and is a near relative of that plant. Price, 50 cents to \$1.00 each.

APIOS TUBEROSA.

A hardy herbaceous perennial and an elegant climbing plant. The flowers are of a chocolate brown color, and very fragrant, resembling violets, and are succeeded by pods about two inches long. 50 cents each.

BEGONIA (Tuberous Rooted).

These splendid varieties produce branching and at the same time tufted plants from twelve to eighteen inches high, covered the whole Summer, until frosts set in, with bright and elegant flowers, succeeding as well in the shade as in the sun. Its utility for bedding cannot be overestimated. Masses on a lawn present a gorgeous aspect and elicit general admiration. Flowering bulbs, 50 cents each; \$4.50 per dozen.

AMARYLLIS.

Bulbs of rare beauty, with large drooping, bell-shaped, lily-like flowers, varying in color from the richest crimson to pure white, striped with crimson or scarlet. They are of the easiest possible culture, and a very little management would secure a succession of bloom throughout the year, thus adding an important feature in collections of plants, whether grown for the decoration of the flower garden, conservatory, or drawing-room.

	Each.	Doz.
Amaryllis atamasco, pink and white, variable, showy for border.....	\$0.15	\$1.50
— Formosissima (Jacobean Lily), velvety crimson, a desirable border plant.....	.25	2.50
Bella Dorna (Bella Donna Lily), white, flushed with rosy purple.....	.60	6.00
— Johnsonii , deep red and white.....	.75	
— longiflora, alba and rosea , fine.....	.50	5.00
— lutea (Sternbergia), a handsome, showy, yellow autumn flowering bulb.....	.25	2.50
— Vittata .—These magnificent varieties are vigorous in their growth, and produce a free supply of flowers, are flaked and striped with the most striking tints, and justly esteemed the most beautiful of the Amaryllis family.		

We offer red or white ground hybrids, all beautifully striped and flaked, \$1.25 each.

VALLOTA PURPUREA.

One of the most beautiful and desirable plants grown, producing large crimson scarlet lily-like flowers, in heads of five or six blooms each, which remain a long time in perfection. Large bulbs, if kept growing, will flower several times during the year. As easily cultivated as the Calla Lily. Price, 50 cents each; \$4.00 per dozen.

COLOCASIA ESCULENTUM.

(Known also as Caladium Esculentum.)

One of the most beautiful and striking of the ornamental foliaged plants in cultivation, either for culture in large pots or tubs, or for planting out on the lawn. It will grow in any garden soil, and is of the easiest culture. When of full size it stands about five feet high, with immense leaves, often measuring four feet in length by two and a half in breadth, very smooth, of a light green color, beautifully veined and variegated with dark green. The roots should be preserved in dry sand in the cellar during Winter out of danger from frost. A plant should be in every collection, however small. 25 to 50 cents each; \$2.00 to \$4.00 per dozen, according to size.

CALADIUMS (Fancy Foliaged).

It is no surprise that within the last few years these elegant plants have become popular favorites, for a bed of them is a sight unsurpassed for beauty and brilliancy of variegation. Most of the varieties do well, planted in the open ground, in a partially shady and moist location, about the first of June. They grow rapidly and spread their leaves, glowing with the rich colors of the tropics, until faded by the Autumn frosts. Margined and delicately traced with a net-work of shaded green on a snow-white ground, bronze tipped with lake, showing a metallic luster in the sun; rose, violet, carmine, golden green, crimson, and, in a word, almost all colors can be found in this plant. As exhibition plants, for fairs in Summer and Fall, when pot-grown, they are unequalled. Eighteen distinct sorts. Price, 30 cents each; \$3.00 per dozen. Newer and scarcer varieties, 50 cents each; \$5.00 per dozen.

DOUBLE TUBEROSE

(Polianthes Tuberosa).

The tubers of this delightfully fragrant flower may be planted from January until March. Where a succession is required, and can be accommodated with a warm greenhouse or conservatory temperature, planting may begin with the former period; but where convenience is limited to a hot-bed and greenhouse, the latter period is suited. In planting, remove the useless small offsets around the main root, place a single tuber in a pot six inches wide, or a group of two or three in a proportionately larger one. Use good rich-bodied loam.

	Each.	Per doz.	Per 100.
Flowering roots.....	\$0.08	\$0.75	\$4.00
Large flowering roots.....	.10	1.00	5.00
Extra large flowering roots.....	.15	1.50	8.00

NEW DOUBLE TUBEROSE.

("The Pearl.")

This is a new and entirely distinct form of the old double tuberosa. Its chief characteristics are its short robust stem and great size of flowers, the latter being as freely produced as in the common sort, while they are quite double the size and of purer white than the old variety.

	Each.	Per doz.	Per 100.
Flowering roots.....	\$0.10	\$1.00	\$5.00
Extra large flowering roots.....	.15	1.50	8.00

NEW TUBEROSE WITH VARIEGATED FOLIAGE.

A beautiful plant, either for vases, borders, or planting in groups or beds. The leaves are finely striped with bright yellow lines. It flowers earlier than any other tuberosa. The flowers are large, single, and deliciously scented. 25 cents each; \$2.50 per dozen.



Tuberose, the Pearl.
(One-half the average size.)



Tigridias.

TIGRIDIAS (Tiger Flower).

A genus of Mexican bulbs, growing about one and a half feet high, and producing flowers of the most exquisite beauty; flowers large, about four inches across, of singularly curious shape, and the color of each variety gorgeous and purely contrasted. No flower can surpass it in beauty. In bloom from July to the first of October. The bulbs may be planted any time in May, or the first of June, about two inches deep, in any garden soil, and require no particular care. In Autumn, after the tops are killed by frost, take up the bulbs and keep them in a dry place away from the frost until the time of planting in the Spring.

	Each.	Doz.
Conchiflora. —Richest orange, variegated with golden yellow, and spotted with black.....	\$0.15	\$1.50
Pavonia. —Richest scarlet, tinged and spotted with pure yellow.....	.15	1.50

MADEIRA VINE.

A half-hardy tuberous-rooted climber, of rapid growth, with thick, glossy, light green leaves. It bears a profusion of graceful racemes of deliciously fragrant white flowers, and for screens or trellis work, in a sheltered or sunny situation, no better plant can be used. Each, 10 cents; per doz., \$1.00; per hund., \$5.00.

DOUBLE DAHLIAS.

When well-grown, we know of no Autumn flowering bulb more stately in appearance, or more varied and beautiful in color than the Dahlia. They require a well-trenched, deep, and very rich soil. Plant out in May or June, and during growth apply copious waterings of liquid manure at least once a week. Our stock of these embraces every desirable variety in cultivation. Dry roots of Dahlias grown in small pots through the Summer, which will bear transportation to any part of the world, can be supplied after the first of October. They are more compact and will flower equally well with the ground roots. 30 cents each; \$3.00 per doz.; \$20.00 per hundred.

GENERAL LIST OF PLANTS.

Embracing all the most desirable

NEW, RARE, AND STANDARD VARIETIES.

We can either send by mail or by express, as desired, only when sending by mail a smaller size of plant is sent; but whenever it is practicable, we strongly advise that plants be sent by express; for, though the purchaser is required to pay express charges (which are usually moderate, from our light system of packing), yet he always buys cheaper—quality of plants considered—than when plants are sent by mail, free.

ABUTILONS.

- Arthur Belsham.**—Deep crimson-orange.
Blandii.—Orange yellow, veined crimson.
Blood-Red.—Color blood-red, with very dark veins; flowers large and very freely produced; a grand variety. 50c. each.
Darwini Major.—Buff-orange; fine.
Emblem.—Drooping variety, with crimson and bronze flowers.
Joseph Hill.—Orange, crimson veins.
John Thorpe.—Bright yellow; finest of its color.
Rosaeiflorum.—Rose-colored flowers; fine.
Snowstorm.—White, compact, and free.
Thompsoni.—Foliage finely marked.
 25c. each; 10 varieties, \$2.00.

- Ageratum, New White Blanche.**—A pure white, Ageratum, very desirable for cut flowers, both in winter and in summer, 25c. each; \$2.00 per doz.
John Douglas.—Deep mazarine blue, compact habit, profuse bloomer. 25c. each; \$2.00 per doz.
Alyssum, Double White.—Similar in every way to the sweet Alyssum; valuable for cut flowers at all seasons. 30c. each; \$3.00 per dozen.
Anthericum repens vitatum var.—Beautifully variegated with white and green stripes; one of the best plants for hanging baskets. 35c. each.
Aloysia Citriodora (Lemon Verbena). A well-known shrub, indispensable for the delightful fragrance of its leaves in the construction of bouquets, etc. 15 cents to 25 cents each.
Azalea Indica.—12 finest and most distinct varieties. 50c. each; \$5.00 per doz.

BEGONIAS.

- Begonia metallica.**—An entirely new and distinct species, intermediate between the Rex variety and the stronger growing green forms. The plant is of shrubby, erect, free growth, branching into numerous flower scapes, which are pale pink, covered with bright coral hairs. The leaves and stems are bright silvery bronze, and, like the flowers, covered with deep coral-red hairs. 50c. each.
Schmidtii.—A beautiful free-flowering variety with pure white flowers, slightly veined with pink; the foliage is dark green, with a metallic luster. 35c. each.
Rubra.—(New), bearing in profusion beautiful coral-colored flowers. 30c. each.
Rex.—Large ornamental leaves, 10 varieties. 30c. each.

BOUVARDIAS.

- Bouvardia Alfred Neuner.**—A charming novelty, with beautiful double pure white rosette-like flowers, which are produced very freely. 50c. each.
Davidsonii.—White, fine form.
Elegans.—Bright carmine, large flowers.
Humboldtii.—Large pure white.
Leiantha.—Bright scarlet.
Lady Hyslop.—Bright flesh color.
Sanguinea.—(New), finest deep crimson. 25c. each, per doz., \$2.00.
Calla Ethiopica (Lily of the Nile).—Fine plants. 30c. each; \$3.00 per dozen.
Camellia Japonica.—Double white, \$1.00 to \$5.00 each.
 — in variety, colored, \$1.00 to \$3.00 each.

Campsidium filicifolium.—An elegant climber, of so delicate and graceful form as often to be mistaken for a climbing fern. The foliage is bright green; it is one of the choicest plants for hanging-baskets. 35c. each.



NEW SCARLET CLEMATIS.
(See description, page 58.)

CANNAS.

(The following are a superb collection of these noble plants.)

- Atropurpurea.**—Fine bronze-purple leaves; tall.
August Ferrier.—Reddish-green leaves, scarlet flower; fine.
Barilletii.—A fine distinct tall-growing variety.
Bihorelli.—Stem and leaves green, with red ribs and veins; fine.
Bremingsii.—Beautiful variety, light green leaves, variegated with white and yellow; very dwarf.
Gigantea.—Very tall growth, dark bronze foliage.
Houletti.—Bronzy-green and brown foliage; tall.
Insignis.—Flowers scarlet and yellow; very distinct and effective.
Metallica.—Bronzy leaves; compact, stiff growth.
Nigricans.—Leaves nearly black; fine flowers.
Premices de Nice.—Light green leaves, very large yellow flowers.
Van Houttei.—Brown foliage, broad and massive.
Warszewiczii.—Dwarf-grower, bronze-leaves; fine. 25c. each; \$2.00 per dozen.

CARNATIONS.

- Bridesmaid.**—Very large white flowers, some of which have salmon-rose, shell-like blotches in center of flowers; delicious clove perfume.
- Crimson King.**—Flowers crimson; a fine variety.
- Grace Wilder.**—Color, a beautiful delicate pink; flowers large, finely fringed, clove-scented.
- Harlequin.**—Color yellow, crimson, and maroon.
- Hinsdale.**—Rosy pink, edged white, sweet-scented.
- Mrs. C. Chessons.**—Blush, striped and spotted rose, very desirable.
- Peter Henderson.**—Very large pure white flowers; a grand variety.
- Princess Louise.**—Color pink; flowers large, well formed, beautifully fringed, and strong clove-scented.

25c. each; \$2.00 per doz.

CHRYSANTHEMUMS.

(These are becoming more and more popular; our collection is one of the very best.)

Those marked * are small-flowered.

- ***Alba Perfecta.**—Pure white.
- ***Alex. Pele.**—Rose and crimson.
- ***Bob.**—Crimson.
- ***Bouquet Blanc.**—Pure white.
- ***Circle.**—Pink on lemon.
- C. H. Glover.**—Lovely yellow.
- Dr. Sharp.**—Magenta crimson.
- Fremy.**—A free-flowering variety, with peculiar shaped orange-red flowers.
- ***Gen. Camrobert.**—Lemon-yellow.
- George Glenney.**—Golden-yellow.
- Gloria Mundi.**—Yellow.
- Le Grand.**—Peach color.
- Mme. Roux.**—Flowers very large, pæony-formed, amaranth-red, reverse of petals white.
- Mme. Grame.**—White.
- Mrs. G. Rundle.**—White.
- ***Montgolfier.**—Crimson.
- ***Model of Perfection.**—Rose and white.
- Pink Perfection.**—Pink.
- ***Pride.**—Pure white; fine.
- Princess Louise.**—Rose.
- Sans Souci.**—Deep violet and white.
- ***Sanguineum.**—Deep blood-red. Very effective.
- Temple of Solomon.**—Golden yellow.
- Venus.**—Rose.
- Virgin Queen.**—White.
- White Princess.**—White.

25c. each; \$2.00 per dozen.

JAPANESE VARIETIES.

The peculiar twisted and thread-like petals of this section are unlike any other flowers grown.

- Bras Rouge.**—Rich velvety red, with bronze tips, a showy variety, early flowering, large and fine.
- Cite des Fleurs.**—Velvety amaranth.
- Early Red Dragon.**—Deep crimson and gold.
- Elaine.**—White and lavender; early flowering.
- Fulton.**—Bright golden yellow.
- Golden Dragon.**—A truly beautiful variety, with long thread-like petals, often four inches long, twisted and curved, flowers in clusters of a rich golden-yellow, habit dwarf.
- Hero of Magdala.**—Blood red, very large.
- La Chinoise.**—Maroon and gold, large flowers, much fluted and frilled.
- Magnum Bonum.**—Pink; a very pleasing and distinct shade.
- Mme. Chapon.**—Orange and yellow; a novel and showy variety.
- M. Castel.**—Flowers large, with long, twisted petals, fiery crimson and gold.
- M. Mauey.**—Flowers deep violet and white.
- M. Roux.**—Very large, deep red-crimson flowers.
- M. Planchenau.**—Light blush, rose striped.
- Mons. William Bull.**—Crimson, tipped with gold.
- Parasol (1880).**—Flowers very large, of a peculiar shade of deepest bright chamois color.

25c. each; \$2.00 per dozen.

CLEMATIS COCCINEA.

(New Scarlet Clematis.)

This is a plant of recent introduction and of great merit, being perfectly hardy, growing, when well established, from 8 to 12 feet high each season. The flowers are from 1 to 1½ inches long, bell-shaped, and of the most intense coral **scarlet**, shining as if polished. They are produced from the axle of each leaf, on strong, wiry footstalks, 3 or 4 inches long, standing out boldly from the foliage. The leaves are of a rich, deep, shining green, deeply lobed and of thick texture. The plant is herbaceous, dying down to the ground-line each year. It begins to flower in July, and continues until cut down by the frost. Plants established 2 years have had on one single vine 25 flowers and buds in view at one time. Price, 50 cents each; 3 plants for \$1.00.

Clematis Jackmanii.—Intense deep violet-purple flowers of large size, growing rapidly and covering over a large space very quickly. Price, for strong 2 years old plants, grown in 5-inch pots, 75 cents each.

We have a limited stock of 25 of the very best varieties of Clematis, embracing all shades of light and dark purple, lavender, and pure white of the same quality as Jackmanii; 75c. each.

Clerodendron Balfourii.—Magnificent climbing plant, bearing pure white bracts and bright scarlet flowers, lasting in perfection for two months. 35c. each.

Cobea Scandens.—Handsome free-flowering climbing plants, growing rapidly, with large, bell-shaped, purple flowers. One of the best summer climbers, and an excellent house plant for Winter. 30 cents each; \$3.00 per dozen.

COLEUS.

Allegheny.—A charming variety, with bright green leaves and lemon center.

Burning Bush.—Chocolate ground, striped and flaked with purple and crimson.

Midnight.—Deep violet purple leaves, shaded red, much serrated; a grand bedder.

Nonpareil.—Fine, large leaves, maroon, edged with crimson, mid-rib creamy white.

Old Gold.—A distinct and beautiful variety, with much lacinated leaves of bright deep gold, spotted with crimson and black.

Rosedale.—Large leaves, lemon ground, bright carmine center.

Unique.—A variety with the leaves very deeply lobed and cut, rich deep yellow and dark crimson purple.

25 cents each; the seven varieties for \$1.50.

We grow all the most popular and distinct old kinds, including *Verschoffii*, and other good bedding kinds, 15c. each; \$1.50 per do. Special prices given for large quantities.

Crotons.—Eight distinct varieties of this very elegant greenhouse plant. The rich, glossy leaves are striped, spotted, and marbled with various shades of pink, yellow, and red. 50c. each.

Dahlias.—In many choice varieties, including all shades of color to be found in the Dahlia. 30c. each; \$3.00 per dozen.

Daphne Odorata.—A well known greenhouse plant, bearing clusters of small, pinkish-white flowers, exquisitely fragrant. 75 cents each.

Dracena Terminalis.—Scarlet for center of baskets, vases, etc. 50c. to \$1.00 each.

Eucharis Amazonica.—An exquisite white, star-shaped flower, for greenhouse culture; deliciously fragrant. \$1.00 each; \$9.00 per dozen.

Eulalia Japonica var.—Leaves striped white and green, longitudinally. Next to the Zebrina, the most ornamental of all hardy grasses. Large plants, \$1.00 each; \$9.00 per dozen. Smaller, 50c. each; \$4.50 per dozen.



Eulalia Japonica Zebrina.

Eulalia Japonica Zebrina.—Unlike everything else, the striping or marking is *across* the leaf, instead of longitudinally. It grows from four to six feet in height, forming a most striking and graceful plant, resembling nothing else that we know of in cultivation. The expanded flower resembles the ostrich plume, and when dried, they keep for years. Plant entirely hardy. First size, \$1.00 each. Second size, 75c. each.

Echeveria.—Useful either as pot plants for decorative purposes, or for bedding out in summer. They thrive best if planted in a dry situation, growing where most other plants would fail. 25c. each; \$2.50 per dozen.

FERNS.

No collection of plants, however small, is complete without a few varieties of these elegant plants. They are now very generally cultivated; their great diversity and gracefulness of foliage render them invaluable as plants for Warden cases, ferneries, and rock-work, or similar shady and moist situations. 30c. each; \$3.00 per dozen.

NEW FUCHSIAS.

Depute Berlet.—Flowers large and very double, corolla violet, with metallic shadings; tube and sepals bright red.

Gracieux.—Flowers large, single, tubes and sepals light red, corolla lavender-blue, habit dwarf and compact; early and free-flowering; will make a fine market plant.

Joseph Rosain.—Double, very large scarlet tube and sepals, corolla violet-blue, striped deep-scarlet.

Jules Ferry.—A very fine double flower, good habit, free-flowering, immense flowers after the style of Henderson's "Avalanche."

New Mastodonte.—Flowers globular, deep crimson tube and sepals, with rich, deep violet-colored corolla, of immense size; a grand variety.

Pascal.—A grand addition to the basket Fuchsia, with strong, spreading habit; color light red and rosy purple; fine, free grower; good.

Price 35 cents each.

Of the older varieties of Fuchsias we grow a very large stock, embracing all the most desirable in cultivation. We believe that for quality of plants and excellence of varieties, no better collection can be found. 20 cents each; \$2.00 per dozen.

DOUBLE SEEDLING GERANIUMS OF 1882.

Barbara.—Brilliant deep orange-scarlet; trusses very large. A large, finely formed flower.

Bernice.—Deep rich scarlet, with a distinct white eye; very pleasing variety.

Conquest.—Large trusses of well-formed flowers; color, fawn, with distinct purple-bronze shading.

Dione.—Immense deep crimson flowers; very freely produced on long foot-stalks.

Herald.—A grand variety, producing fine shaped flowers, of a deep bronze chamois color.

Inspection.—Very large trusses, color soft red, shaded scarlet purple.

President.—Deep pink, upper petals marked white; trusses large and freely produced.

Social.—Large trusses of finely formed flowers; color deep rosy flush, with distinct white margins. Price, 25c. each; of 8 varieties for \$2.00.

DOUBLE IVY-LEAVED GERANIUMS.

Andre Theuriet (Lemoine).—Delicate rose, clouded with salmon, shaded darker; a new color.

Anna Pfitzu (Pfitzu).—Flowers very large, semi-double; color clear rose.

Lucy Lemoine (Boucharlat).—Flowers single; snowy white, delicate rose at the center. Very beautiful and distinct.

Mlle. C. Soupert (Lemoine).—Flowers very regular and double, like rosettes; color rose mauve, tinted with lilac.

M. Dubus (Dubus).—Flowers single, very large; bright carmine red, blotched with purple on the upper petals.

Robert Fortune.—A grand variety, with fine large carmine, shaded pink flowers; trusses large and freely produced; habit compact.

The above are all extremely fine and valuable acquisitions.

25 cents each; 6 varieties for \$1.25.

GERANIUM TRICOLOR.

To convey in words any idea of the beautiful markings of these is simply impossible. Every color and shade to be seen in Autumn leaves are found in the foliage of this class. Best varieties, 40c. each; \$4.00 per dozen.

Geraniums, Bronze.—Golden-leaved, fine for bedding. 30c. each; \$3.00 per dozen.

Geraniums, Silver.—White-leaved, Mount of Snow, etc. 30c. each; \$3.00 per doz.

Geraniums Scented.—Six sorts, really desirable. 25c. each; \$2.25 per dozen.

Geraniums Pelargoniums (Lady Washington Geraniums).—50c. each; \$4.50 per dozen.

PELARGONIUMS.

(Lady Washington Type of Geranium.)

Fred. Dörner.—An entirely distinct and beautiful variety, possessing nearly all the ever-blooming qualities of the ordinary bedding Geraniums. The flowers are of good size, of a lovely shaded carmine-crimson, with maroon-crimson markings, distinctly edged with white, the center also shaded white; trusses composed of from 6 to 9 flowers; the habit of growth is vigorous, dwarf, and compact; valuable either for cut flowers or general decoration. 75c. each.

We can also offer a full collection of all the most desirable and standard varieties of this class, the markings and shades of which are so varied that description conveys no adequate idea of their beauty. We will forward a set of twelve of the very best, including all the colors found in the class, for \$4.50; single plants, 50c. each.

GERANIUMS, ZONALE.

(A selection of the very finest and well tested varieties.)

DOUBLE VARIETIES.

- Amelia Baltet.**—Pure white, large trusses.
Dr. J. P. Kirtland.—Carmine-red, shaded purple.
Dr. Phinney.—Intense scarlet, shaded with deepest chestnut-crimson; a variety of great merit.
Hazel Kirke.—Immense trusses of rich purple-crimson flowers; distinct and beautiful.
Henry Cannell.—Largest flowers, bright scarlet; one of the most beautiful.
J. H. Klippert.—Immense trusses of deep scarlet.
Le Niagara.—Large trusses of the purest white.
Lemoine's Cannell.—A grand, deep purple, suffused with crimson and scarlet; new. 35c. each.
Mary Geering.—Pure rose pink, white markings; distinct and desirable variety.
McLeod.—Immense scarlet trusses.
Mrs. E. G. Hill.—Entirely distinct, ground color pale blush, overlaid with a lavender shade.
Mons. Dibos.—Blush, shaded rosy salmon, distinct.
Peter Henderson.—Exceedingly bright orange-scarlet, with base of petals pure white.
Remarkable.—A much improved Ernest Lauth; trusses very large.
Richard Brett.—Immense trusses of flowers; an entirely new shade.
Robert George.—A deep crimson scarlet; a remarkably free flowerer.
The Blonde.—A distinct and beautiful variety, ground color salmon, deeply shaded orange; base of petals white, with a distinct margin of white.
Ville de Nancy (Lemoine).—Enormous trusses of large flowers; delicate rose; very beautiful.
Victor Hugo.—Rich color, often marked white; ground color orange salmon. Price, except where noted, 25c. each; per twelve varieties, \$2.50.

SINGLE VARIETIES.

- Bamford's Glory.**—Bright cerise red.
Beacon.—Flowers of deep crimson-scarlet, of fine shape, small white eye.
Cardinalis.—Very deep crimson, distinct.
Clement Boutard.—White, shaded blush.
Corsair.—Deep, pure scarlet; very fine.
Dr. Denny.—Purple, shaded blue, top petals orange color. 30c. each.
Happy Thought.—A novel style of leaf variegation; flowers rich magenta rose; a good bedder.
Jealousy.—Deep orange; new color.
Jean Sisley.—Scarlet, pure white eye.
Mary Hallock Foote.—Bright pale salmon, with a pure white eye; immense trusses of splendid shape; a grand variety.
Master Christine.—Pink; best bedder of the color.
Mazeppa.—Flowers deep pure scarlet, of fine shape and substance, and of free habit.
Mrs. Whitley.—Large flowers, white eye; fine.
New Life.—By far the finest striped variety. Ground color deep scarlet, striped and blotched with white; we have found it to run back to plain scarlet, salmon color, etc., all on the same plant, but the average are constant in character.
Pauline Lucca.—Large trusses; fine variety; flowers pure white.
Orange Boven.—Center of flowers bright orange, each distinctly margined with white.
Snowden.—Large trusses of pure white flowers.
 Price, except where noted, 25c. each; per twelve varieties, \$2.50.

GLOXINIAS.

Twelve distinct new varieties, drooping and upright flowers; truly wonderful in their richness of coloring—blue, scarlet, rose, crimson, and white. 1st size, 50c. each; \$5.00 per set. 2d size, 30c. each; \$3.00 per set.

HELIANTHUS MULTIFLORUS
PLENUS.

(The Perennial Golden, Double-flowering Sunflower)

We offered this grand plant in our Spring Catalogue of last year, and have again pleasure in calling attention to it. The illustration gives a fair representation of a single plant; we had hundreds of plants even larger and with many more flowers. These plants were out of 2-inch pots and not planted until the 10th of June, and by the 1st of August many were in flower and continued to flower until October. The plant is perfectly hardy; the flowers are of the richest golden-yellow, as large as the largest Chrysanthemum, and lasting for many days after being cut. Price 35c. each.

HELIOTROPES.

President Garfield.—A new variety, imported from Europe, and said to be one of the most beautiful yet raised; flowers in very large trusses, deep violet purple, and remarkably sweet-scented. Price, 50 cents each; 3 plants for \$1.00.

Juliette.—One of the darkest; fine compact habit, exquisite fragrance. 25c. each; \$2.00 per dozen.

Mme. Blonay.—The nearest approach to pure white we have yet had in the Heliotrope; truss very large, growth compact; a decided acquisition. 25c. each; \$2.00 per dozen.

Heliotrope.—Best light and dark kinds; older varieties. 25c. each; \$2.00 per dozen.

Hibiscus.—A genus of greenhouse plants, exceedingly valuable for bedding purposes. The large scarlet and yellow flowers are unusually showy. Five kinds, 50c. each; or \$2.00 for the entire set.

Hoya Carnosa (Wax-plant).—A splendid climber, admirably adapted to house culture; bears beautiful flesh-colored flowers, resembling wax; makes a fine trellis plant, and continues a long time in bloom. 30 cents each.



Hyacinthus Candicans.

HYACINTHUS CANDICANS.

A magnificent Yucca-like plant, producing in July and August a flower-stem 3 to 4 feet high, covered with from twenty to thirty pure white, pendant, bell-shaped flowers. This plant should find a place in every collection. It is believed that it will prove perfectly hardy, having stood the recent severe winters without injury. Price, 30c. each.

HYDRANGEA.

Thos. Hogg.—This beautiful new Japanese variety has large heads of pure white flowers, and is a very free and abundant bloomer. It grows very thriftily, and soon forms a large specimen plant; one of the finest novelties ever introduced into this country. 25c. each.

Otuka.—A new variety from Japan, with very large flowers. 25c. each.

Hortensis.—The old garden variety, with large corymbs of rose-colored flowers. 35c. each.

Paniculata Grandiflora.—See hardy plants.

IRIS.

Among the many forms of floral beauty which adorn the flower borders in June, the Iris has claims which entitle it to a more than ordinarily prominent position; the flowers are large and handsome, the colors extremely rich and varied; the height of the plant is from eighteen to twenty-four inches, while its cultivation is unusually simple, succeeding in any ordinary garden soil; when planted in clumps of three or more, and allowed to remain undisturbed, they improve in beauty each successive year.

English.—Twenty-five finest named varieties. Each, 10c.; per dozen, \$1.00.

English.—Finest mixed without names. Each, 5c.; per dozen, 50c.

German or Fleur de lis.—A splendid herbaceous perennial. Each, 15c.; per dozen, \$1.50.

Susiana.—Blush tinted, netted with dark lines; an exceedingly handsome flower; succeeds admirably in pots. Each, 35c.; per dozen, \$3.50.

IRIS IBERICA.

One of the most remarkable and interesting plants in cultivation. Its dwarf habit, gigantic flowers, great snow-white, erect sepals, its equally large, strangely colored petals, and its stigmas with shining black-purple, humped bases, make up a flower of singular oddity and of remarkable beauty. Such a curious combination of color is rarely seen in the same plant. Price, 35c. each; \$3.50 per dozen.

IRIS KEMPFERI.

Amongst thoroughly hardy plants of later introduction, the fine varieties of this species are unsurpassed. They are hardy in every sense of the word; let the weather be ever so severe, they are not in the least affected. They are truly magnificent, and a perfectly distinct race, bearing a profusion of large Clematis-like flowers. The prevailing colors are from deepest black, purple, through various shades of blue, to the purest white. The individual flowers are of great size and heavy texture, flowering from the middle of June to the end of July. The plants, when out of flower, are effective, graceful, and pleasing, retaining a bright and showy mass of ample foliage until quite late in the year.

Calypso.—Light, veined purple, deep purple center.

Clio.—Rich deep purple, shaded red.

Exquisite.—White, veined and shaded with blue.

Fairy Queen.—Lavender, shaded rich purple.

Hamlet.—Deep sky-blue, large, fine.

Iago.—Deep purple blue, fine shade.

Juliette.—White, veined purple, purple center.

Macbeth.—Deep red, striped white.

Miranda.—Fine light blue, large white center.

Othello.—Rich plum purple, yellow center.

Portia.—Red, shaded purple, white center.

Prince Hal.—Lavender, mottled with deep purple.

Venus.—Large, pure, white, fine.

Each, 25c.; per dozen, \$2.00.

Mixed Varieties, suitable for large masses, in all colors. Per 100.....\$15.00

IVY, GERMAN or PARLOR.

(*Senecio Scandens.*)

A rapid-growing, climbing plant, with yellow flowers; well adapted for covering trellis-work quickly, or as a house-plant in winter; leaves glossy green. 15c. each; \$1.50 per doz.

LANTANAS.

There are few bedding plants that bloom more continuously or afford greater variety than this, and they are justly considered one of the best summer flowering plants for our climate.

NEW VARIETIES.

Giselle.—Very large flowers, rich purple rose, and light yellow center, fine bedder. 35c. each.

Reveil.—Pure white, golden yellow center, very large trusses and flowers. 35c. each.

Goleconda.—Buff, changing to deep golden yellow; extra fine. 25c. each.

Marechal MacMahon.—The very finest Lantana ever raised; trusses as large as verbenas, flowers bright as crimson and gold. 25c. each.

We will forward six distinct varieties of Lantanas, including pure white and deep yellow, for \$1.00.

Myrtle, Crape.—One of the most beautiful of half-hardy shrubs, growing and blooming finely in the Summer, and only requiring the shelter of a cellar in Winter.

— **Indica.**—The old and popular Crape Myrtle, pink flowers. 50c. each.

— **Indica Alba.**—A white Crape Myrtle. 60c. each.

LYGODIUM SCANDENS.

(*Japanese Climbing Fern.*)

A climbing Fern from the East Indies, and a most graceful plant, as easy of culture as the Smilax. Although climbing when supported by strings or wires, it can be used with equal advantage as a drooping plant, for baskets or vases, and as a house plant for the parlor; nothing is more easy of culture. It is now preferred by many florists to Smilax, for fine cut flower work, being much more beautiful and nearly as durable, if the older sprays are used. 50c. each.

PANDANUS UTILIS (Screw Pine).

So called from the arrangement of the leaves on the stem. It is a beautiful plant, excellently adapted for the centers of vases or baskets, or grown as a single specimen. No plant is better suited for room culture. 1st size, \$1.00 each; \$9.00 per dozen. 2d size, 50c. each; \$4.50 per dozen.

Pandanus Veitchii.—One of the handsomest foliaged plants ever introduced, growing as freely as *Utilis*. The leaves are of a rich dark shining green, striped with pure white, some being nearly all white. \$1.00 each.

PAPYRUS ANTIQUORUM.

This is the Egyptian paper plant, and is said to be the plant from which the paper was made whereon the Scriptures were written. It is a very handsome sub-aquatic plant, growing to the height of seven or eight feet, and is of great beauty. Strong plants, by express only, \$1.00.

PASSIFLORA.

(*Passion Flower.*)

Very handsome climbing plants, growing rapidly and blooming freely, with blue, purple, or scarlet blossoms. *P. Coerulea* and *Incarnata* are hardy; the other sorts require in-door culture. Strong plants, 50c. each.

PARIS DAISIES.

Etoile d'or.—A very distinct and beautiful variety, with clear golden yellow flowers, 30c. each.

Madame Parfoullion.—Large flowers, with pure white rays and yellow disk. 30c. each; the two varieties, one of each, 50c.

NEW GERMAN PANSIES.

Pansies are now being largely used for bedding purposes, vases, etc., and this new and fine type has greatly increased their popularity. Seedling plants, 25c. each; per dozen, \$2.25.

We also offer common varieties of pansies at 15 cents each; \$1.50 per dozen.

PEONIES.

These have become indispensable to every garden; some of them begin to bloom with the Tulip, while others finish with the Summer Rose. They are all hardy and admirably adapted to the climate of our most northern States; growing in almost all situations, and even flourishing under the shade of trees.

Our stock consists of over 100 varieties (all herbaceous), of every shade and color, double and single, mostly rose scented. Price 25 to 50 cents each; \$2.50 to \$5.00 per dozen.

PETUNIAS (Double).

Amongst the following varieties will be found some of the most beautiful and distinct free flowering kinds.

Gigantea.—Richest deep crimson, the largest *Petunia* we have seen.

Hebe.—Pure white, dwarf, compact habit.

Ivanhoe.—Deep maroon-crimson, margined white.

Merrimac.—Fine light rose, deeply fringed.

Othello.—Deep velvety purple; a grand fringed flower.

Pandora.—Light lavender, margined white; fine shape.

30c. each; the 6 varieties, \$1.50.

SINGLE PETUNIAS.

For out-door decoration or house culture few plants excel this class. They are easily cultivated, commence flowering early, and continue a mass of bloom the whole season. In color, the strain now offered is nearly perfect—comprising, as it does, all the most delicate tints and shades.

We have propagated 10 distinct and beautiful kinds of the *Grandiflora* type, with very large and finely marked flowers.

25c. each; per 10 plants, \$2.00.

PERENNIAL PHLOXES.

These are perhaps the most beautiful and showy hardy plants for Summer and Fall flowering. For cut flowers they are valuable and ornamental, and if grown in pots, they are excellent for conservatory decoration. The collection we offer embraces all colors found in the section, and are most distinct.

SUFFRITOCOSA (Early Flowering).

(These flower from June until September.)

Clouded Gem.—A bright, rosy lavender flower, mottled and shaded with white.

Forward.—Rosy-crimson, with darker eye, a fine spike, and very free.

John Baillie.—Light rose, often marked with white; dwarf grower.

Keno.—Delicate lavender, mottled with white, deep rosy-crimson eye.

Lady Musgrave.—A beautiful variety; pure white, with delicate pink eye.

Miss Robertson.—Very large spikes of the purest white flowers; fine.

Rosy Gem.—Deep bright rose color, very large spikes; a distinct variety.

30c. each; the 7 varieties \$1.75.

DECUSSATA (Late Flowering).

(These flower from July until October).

Arago.—Bright rose, deep crimson center.

Bijou.—Very large pure white flowers; dwarf.

Bridesmaid.—White, with very small pink eye.

Charlemagne.—Rich violet-purple; quite distinct.

Cross of Honor.—Lavender, distinctly variegated with white.

Dr. Gilkinet.—Deepest red, rich violet center.

Heloise.—Rosy-pink, white center; fine.

La Tour du Monde.—Soft rosy-pink.

Lothair.—Fiery red, with deep crimson eye.

Mme. Rendatler.—White, crimson eye.

Mme. de Caen.—White, purple-red eye.

Monsieur Delaunay.—Striped salmon, purple center.

Premier Minister.—Pure white, deep red eye.

Richard Wallace.—Very large, white, rose eye.

White Queen.—Pure white.

Each, 25c.; per dozen, \$2.00.

POINSETTIA (New Double).

The single variety of *Poinsettia* is known to be one of the most gorgeous of plants,—the bracts, or flower leaves, being often over a foot in diameter, and of the most brilliant vermilion color. The kind above offered is the *double* variety of this beautiful plant. The *double* variety, \$2.00, \$3.00, and \$5.00 each; the *single* variety at from 25c. to \$1.00 each, according to size.

Pepperomia.—Curious, succulent, striped leaves. 20c. each.

Plumbago capensis.—Light blue, blooming very abundantly. 30c. each; \$3.00 per dozen.

Physianthus albus.—A climbing plant, with clusters of white flowers growing very rapidly; it is known as the "Cruel" plant. 35c. each.

Richardia alba maculata.—A spotted-leaved *Calla*. 50c. each; \$4.50 per dozen.

Salvia splendens (*Scarlet Sage*).—Intense scarlet. 25c. each; \$2.25 per dozen.

Sedums (*Stone Crop*).—Twelve distinct sorts. 25c. each; \$2.25 per dozen.

Sempervivum (*House Leeks*).—Three species, 25c. each; \$2.50 per dozen.

Smilax.—The well-known climber. 25c. each.

Vase Plants and Basket Plants.—Of these we grow large quantities, suitable for urns, baskets, and vases; a fine collection. From \$2.50 to \$4.00 per dozen.

Violets: Marie Louise, Neapolitan, etc.—25c. each; \$2.25 per dozen.

Verbenas.—A splendid collection. 10c. each; \$1.00 per dozen. Unnamed varieties, 75c. per dozen.

ROSES.

By proper selection, a good supply of Roses may be secured from June until frost; we therefore note a few of the leading characteristics of the several sections. *Monthly or Ever-blooming Roses* are free flowering and delicately fragrant, but not hardy in the Northern States. They may be protected by covering with straw, or taken up, trimmed back, and planted in boxes in the cellar or other frost-proof place, and given just enough water to keep alive until Spring. *Hybrid Perpetual and Moss Roses* are quite hardy, and give an elegant display of bloom during June and occasionally during the Summer. *Climbing Roses* are, with one or two exceptions, perfectly hardy, and are indispensable for arbor and trellis work.

NEW VARIETIES OF 1882 AND OTHERS OF SPECIAL MERIT.

HYBRID PERPETUALS.

A. M. Ampere.—Deep red purple, with back of petals shaded lavender; very full, of good size, strong, and vigorous.

Comtesse H. Coombs.—Bright rose, with silvery reflex; large, full, and very vigorous; in the way of Marie Bauman.

Mad. Marie Roederer.—Bright cherry rose, shaded carmine; large and full growth; very vigorous; a seedling from Jules Margottin.

Mad. Martha d'Halloy.—Cherry red; very large and full; growth very strong; a fine variety; seedling from Victor Verdier.

Souvenir de Mad. Berthier.—Fine deep bright crimson; very large and full; growth vigorous; a fine and distinct variety.

Tatiana Oneguina.—Brilliant deep red; shaded carmine; a truly perpetual flowerer.

TEAS.

Beauty de l'Europe.—Of the Gloire de Dijon type of Teas. Flowers very large, full, and very well made, with form of Centifolia. Color dark yellow, reverse of petals copper-yellow. Very floriferous. The most remarkable yellow rose yet obtained from Gloire de Dijon seedlings.

Etoile de Lyon.—Very vigorous, with a fine habit. Flowers fragrant, very large and very full, of a fine brilliant sulphur-yellow, reverse light yellow, of full and handsome form, the outer petals beautifully imbricated. This magnificent variety is, beyond dispute, one of the most beautiful yellow roses obtained up to this day.

Jules Finger.—Full and finely formed; color bright rosy scarlet, shaded with intense crimson; very fragrant and free bloomer.

Madame Cusin (Guillot).—Flowers medium sized to large, well formed and of good texture. Color, rosy-purple. Base of petals and center of the flowers almost white. Very distinct, free, and vigorous.

Flag of the Union.—The advent of striped Roses is not often, and in this variety we have one that is a strong grower, a free bloomer, and of good size. It is a sport from the well-known "Bon Silene." The flowers are equal in size; rich, deep carmine rose, mottled with pure white. The growth is equal to "Bon Silene," and quite distinct from "American Banner."

Price, 50 cents each, or the above 11 varieties for \$4.50.

HYBRID BOURBON.

Madame Isaac Pereire.—Beautiful vivid carmine; full and of immense size; perfect imbricated form; blooms throughout the season; growth very vigorous. 50c.

HYBRID NOISSETTE.

Madame Alfred Carriere.—Flesh white, with salmon-yellow at the base of the petals, large, full, and well formed; growth very vigorous; a good climber. 35c.

PERPETUAL MOSS.

Blanche Moreau.—Pure white, large, and full; opens well, perfectly formed, blooms in clusters; growth very vigorous. 35c.

HYBRID TEA ROSES.

Beauty of Stapleford.—Outer petals very pale pinkish rose, gradually shaded to a deep rosy center; a fine exhibition rose. 35c.

Camoens.—This is a very beautiful and distinct new variety, growing and flowering as freely as the "Hermosa." The flowers are large, of a bright silvery pink, shaded with yellow, and often striped white. The petals are quite pointed, giving the flower a very distinct appearance. Very different from any rose we are acquainted with. Price, 50 cents each.

Duke of Connaught.—This is a most brilliantly colored deep crimson flower, shaded with light carmine, of the finest shape, and perhaps the most persistent blooming rose yet raised; after becoming established, it grows as freely as the ordinary Tea Rose. 75c.

Duchess of Westminster.—Exceedingly large, without coarseness, finely formed, brightest cerise; a grand rose. 35c.

Michael Saunders.—Large, of the finest form, very full of petals, which are beautifully reflexed, bronzy pink, very sweet-scented. 35c.

The above 5 varieties for \$2.00.

POLYANTHA REMONTANT ROSES.

This is an entirely new class of roses, the parents of which have recently been introduced from Japan. They might be called "Fairy Roses," with their miniature and beautiful-shaped flowers, which are grown in immense clusters. We have seen as many as 150 flowers on the variety Mignonette at one time. They will no doubt prove to be perfectly hardy in nearly every section of the country.

Anne Marie de Montravel.—A beautiful pot or border plant; the rose is very dwarf, but branches freely, and produces in the greatest abundance clusters of very small but very perfect white blossoms; a continuous bloomer. 50c. each.

Mlle. Cecile Branner.—Bright rose, yellowish in the center, flowers in clusters, very sweet; of dwarf, but vigorous habit of growth. 50c. each.

Mignonette.—Very prolific in flowers, blooming incessantly in immense flat corymbs; the color is bluish-white, shading to rosy pink. 50c. each. The 3 varieties, \$1.00.

CLIMBING ROSES.

William Allen Richardson.—New and fine; very distinct; color deep orange-yellow, changing to coppery yellow; sometimes shaded at center with rosy blush; flower is large, quite full, and double, and very fragrant. 50c. each.

Reine Marie Henriette.—A most distinct and rapid growing climber, with flowers very large, double, and of bright cerise red; a counterpart of that grand Rose, "Gloire de Dijon," and, we have no doubt, equally as hardy; a great acquisition. 35c. each.

We can supply first-class well-rooted plants of all the best varieties of this class, 30c. each; set of eight distinct and beautiful varieties for \$2.00.

MOSS ROSES.

Of these popular favorites we grow large stocks of all the standard sorts. 35c. each; set of eight distinct and beautiful varieties for \$2.00.

HYBRID PERPETUAL ROSES.

(Quite Hardy.)

Price, 20c. each; the 20 varieties for \$3.00; for well-rooted plants, in 2½-inch pots.

☞ We have a large quantity of good plants in 4 and 5 inch pots, which can be sent by express only. Purchasers' selection, 50c. each; \$5.50 per dozen. Our selection, 40c. each; \$4.50 per dozen.

Alfred Colomb.—A splendid rose; large globular form, full and very sweet, bright clear red.

Antoine Mouton.—A fine, free bloomer, hardy, flower of large size, full and sweet, color brilliant carmine, reverse of petals silver rose.

General Jacqueminot.—Rich velvety scarlet, changing to scarlet crimson; magnificent bud.

Jean Liabaud.—Large, full, bold flower, elegantly scented; color dark rich velvety crimson.

John Hopper.—Brilliant rose, changing to bright crimson, reverse of petals lilac purple; a fine large showy sort, very fragrant.

Jules Margotten.—Bright cherry red, large, well formed; a splendid old variety.

La France.—Lovely peach-blossom color, delicious tea fragrance, extra large size, very full and beautiful; a constant and profuse bloomer.

Louis Carrique.—Rich velvety crimson, large size, very double, full, and sweet.

Louis Odier.—Bright silvery rose, imbricated, sweet-scented.

La Reine.—Beautiful clear white rose, fine full form, very fragrant.

Magna Charta.—A splendid new English Rose; extra large, full form, very double and sweet; color clear rosy pink, beautifully flushed and edged with violet crimson.

Mme. Chirard.—Fine globular form, large, very double and fragrant, deep rosy pink; beautiful.

Mme. Bouton.—Very large and full, rich crimson; a free flowerer, and fine variety.

Mme. Francois Pitter.—Lovely pure white Rose, very full, double, perfect in form and flower; one of the best new whites; blooms in beautiful clusters.

Mrs. Laing.—A charming Rose, borne in clusters; soft carmine color, reverse of petals light; very full and sweet.

Paul Neron.—Extra large, full fine form, deep carmine color, very fragrant, free bloomer; an excellent Rose.

Perfection des Blanches.—One of the finest White Hybrid Perpetuals; a moderately free bloomer, flowers large, pure snow-white, very double and fragrant.

Perle des Blanches.—Pure white, medium size; full, good form.

Souvenir de Ducher.—Medium-sized, compact flowers, very double; beautiful brilliant scarlet, deepening at center to dark maroon; very fragrant, hardy, and desirable.

Thomas Mills.—Extra large, fine cup-shaped flowers; color bright rosy carmine, sometimes with fine white stripes; fragrant and good.

ROSES, EVER BLOOMING.

NOTE.—The following Roses are not hardy in the Northern States, and should be protected in a cold frame or a cool cellar on the approach of hard frost. In the Southern States they will be perfectly hardy, and do not require covering.

Price, 20c. each, or any 20 varieties for \$3.00; for well-rooted plants in 2½-inch pots.

Adam.—A superb rose, with large, fine, pink shaded flowers, fragrant and very free.

Aline Sisley.—A lovely shade of rosy pink, sometimes very bright; sweet-scented, fine.

Anna Olivier.—Large, full, and very fragrant; creamy white, shaded light red.

Agrippina.—Splendid deep crimson; one of the most beautiful garden roses.

Alba Rosa.—Creamy white, shaded flesh and rose; large, double, and sweet.

Bon Silene.—Rosy carmine, shaded pale rose; lovely buds, free blooming and fragrant.

Catharine Mermet.—This is an exceedingly beautiful variety, color clear silver-rose, with delicately shaded amber and fawn center; the flowers are large, full and globular, very double and sweet; an elegant rose.

Cornelia Cook.—Large, pure white; one of the very finest varieties grown.

Duchesse de Brabant.—Silvery rose, edged with carmine; one of the most fragrant; very fine.

Hermosa.—Silvery rose, pink, very double; flowering incessantly; extra.

Isabella Sprunt.—Light canary yellow; fine buds; fragrant.

Lamarque.—White, with lemon center; very double; fragrant, climbing.

Lady Warrender.—Pure white, very free flowering; an exquisite variety.

Marie Guillot.—Splendid large white flowers, globe-shaped; fine grower; one of the best.

Marie Van Houtte.—White and rose, deep yellow center; deliciously scented; free bloomer.

Mme. Camille.—Blush, shaded salmon pink; a very large fine flower.

Mme. Devacout.—Canary yellow; large and double; a beautiful variety.

Mme. de Vatry.—Splendid deep rose, shaded crimson; fine grower.

Mme. Bravy.—Exquisite shape, large, full; nearly pure white, blush center.

Mme. Pauline Laboute.—Salmon, shaded copper-color; large, full, and free.

Marechal Niel.—Golden yellow; a grand variety; climbing habit.

Marie Ducher.—Salmon, shaded rose and pink; large flowers; sweet.

Niphotos.—Pure white; an exquisite variety.

Perle des Jardins.—One of the very finest sorts introduced; the flower is extra large; full globular form, very double, and highly perfumed; color clear golden-yellow; very beautiful.

Rovelli.—A lovely shade of bright carmine; large, double, and very sweet.

Rubens.—Pale creamy yellow, shaded white and tinted rose; a superb variety.

Souvenir de la Malmaison.—Creamy white and pink; a grand rose.

Souvenir d'un Ami.—A lovely rosy pink, shaded deeper; splendid flowers.

Souvenir du David.—Very bright light red; a free bloomer; fine grower.

Safranot Buff.—Apricot and yellow; fine, large buds; one of the very best.

Sombrieul.—Nearly pure white; large, free-flowering, sweet, splendid.

Sir Walter Scott.—Free-flowering; very bright red; sweet-scented; free.

Washington.—Pure white; very free flowering; large clusters; a fine climber.

COLLECTION OF ROSES.

For the convenience of those who desire a fine collection of roses, but who are unacquainted with the best varieties, we make the following offers, and, being at reduced rates, the varieties must be exclusively our selection. The best varieties of roses will be sent—all good, healthy plants, correctly labeled.

These Roses are especially grown for mailing, and are stout and thrifty.

For \$1.00 we send to one address.....	5 Roses.
" 2.00 " " "	12 "
" 3.00 " " "	19 "
" 4.00 " " "	26 "
" 5.00 " " "	35 "
" 10.00 " " "	75 "
" 13.00 " " "	100 "

50 Roses, purchaser's selection, not to exceed 25 varieties, by express, \$6.50. By mail, \$7.00.

100 Roses, purchaser's selection, not to exceed 50 varieties, by express, \$12.00. By mail, \$13.00.

When ordered sent by express, the purchaser must pay express charges.

Planters requiring several hundred Roses or other plants, will on application receive special quotations.

Large plants from 5-inch pots by express at double the prices.

HARDY SHRUBS, HARDY PLANTS, AND HARDY CLIMBERS.

In addition to our list of Shrubs and Climbers on page sixty-six, we offer below a choice assortment—that are either new or scarce, possessing distinctive features of merit, or have not been in general cultivation—at prices that render them obtainable by amateurs generally.

SHRUBS.

Althea Marginata Rubra fl. pl.—A distinct double variety; red, margined white. 35 cents each.

Althea Corulea fl. pl.—Rich purple, shaded light blue; novel and effective coloring. 25 cents each.

Althea Purpurea Ruber fl. pl.—Rich, deep purple, shaded bright red; large and double. 35 cents each.

Althea Violaceus Atropurpureus fl. pl.—Violet, striped and spotted white; shaded with deep purple. 35 cents each.

Corchorus Japonicus Flore Albo.—An almost perpetual flowering shrub, with pure white daisy-like flowers. 35 cents each.

Cydonia Japonica Candiva.—A new and beautiful variety of the Japan Quince, with very large pure white flowers, blooming as early as end of March. 50 cents each.

Cydonia Japonica Mallardii.—Flowers variegated, rich, deep pink and palest blush. 35 cents each.

Desmodium Penduliflorum.—A very distinct shrubby, herbaceous plant, covered in September and October with rich purplish-red flowers, growing from two to three feet high. 35 cents each.

Deutzia Crenata Candidissima fl. pl.—A new and distinct variety, with very large, pure white flowers, in spikes four to six inches long. 35 cents each.

Forsythia Suspensa.—An elegant shrub, flowering before the appearance of leaves; flowers deepest yellow, in long, weeping wreaths; a very charming plant. 25 cents each.

Forsythia Viridissima.—The earliest of its class to flower; rich, deep golden yellow. 25 cents each.

Hypericum Patulum.—Large, bright yellow flowers; plant of very compact growth. 35 cents each.

Philadelphus Keteleeri fl. pl.—Flowers double and very large, and of the purest white; a beautiful shrub. 35 cents each.

Philadelphus Nepalensis Variegatus.—Flowers large, pure white; foliage distinctly margined with pure white. 35 cents each.

Rhus Glabra Laciniata.—This is one of the most elegant and graceful plants for decoration. The foliage is much divided, and in general appearance resembling some of the very choicest ferns. 35 cents each.

Spiraea Reevesiana fl. pl.—Lovely pure white flowers, covering the whole plant and lasting long in perfection. 35 cents each.

Spiraea Thunbergii.—A distinct, drooping plant, covered in May with myriads of pure white flowers; one of the most beautiful. 35 cents each.

Syringa (Lilac) Emodi.—Has bright, leathery leaves, and rich colored flowers. 35 cents each.

Syringa (Lilac) Josikea.—Upright in shape, deep green leaves, and rich lilac-pink flowers; blooming in June; the latest variety, and very desirable. 35 cents each.

Syringa (Lilac) Rothomagensis.—Distinct, deep red flowers, in very large trusses or panicles; the deepest red variety. 35 cents each.

The complete set of 20 shrubs for \$6.00.

CLIMBERS.

Aristolochia Sypho (*This is known as the Dutchman's Pipe*).—Very large, heart-shaped leaves, covering a large space very quickly. The flowers are on long stems of a peculiar pipe-shaped formation, color brownish purple, spotted green and white. This is a valuable and desirable plant. 50 cents each.

Lonicera Flava (*Honey-suckle*).—Flowers rich, deep yellow and very fragrant. 35 cents each.

Lonicera Fuchsoides.—Rich, deep, coral scarlet; of the brightest color, flowering in June; a magnificent variety; of fine, free growth. 35 cents each.

Wistaria Sinensis Alba.—A beautiful variety of the Chinese Wistaria, with delicate white and very pale lavender flowers, growing and flowering as freely as the well-known purple kind. 75 cents each.

Wistaria Frutescens.—The flowers are of a more decided shade of color than the Chinese variety. The bunches not quite as large, but of the most graceful form. 30 cents each.

Wistaria purpurea fl. pl.—Flowers quite double, of a rich, deep violet-purple, shaded in the center with pure white; perfectly hardy and distinct. \$1.00 each.

The 6 Climbers for \$3.00.

HARDY SHRUBS.

Althea, or Rose of Sharon.—These are among the most effective and continuous flowering shrubs; in various colors, such as double purple, double white, double rose, and double violet. 25 cents each.

Althea, Variegated Leaved.—A most beautiful and compact growing shrub; leaves margined with golden yellow; flowers double bright pink. 25 cents each.

• **Calycanthus Floridus** (Strawberry Tree).—Deliciously sweet-scented double purple flowers, often flowering at intervals during the summer. 25 cents each.

Deutzia Gracilis.—A charming shrub, with very bright green foliage growing two or three feet high. Flowers pure white in large racemes. 25 cents each.

Deutzia Crenata.—Growing three to four feet high, with spikes of very double pure white flowers of the hardest constitution. 25 cents each.

Hydrangea Paniculata Grandiflora.—This is perhaps the finest late summer flowering shrub known, giving large quantities of white flowers in immense heads or panicles; perfectly hardy. Prices of extra large plants, \$1.00; 2d size, 50 cents; 3d size, 25 cents, each.

Jasminum Nudiflorum.—Golden yellow Jessamine, hardy. 25 cents each.

Kerria Japonica.—A slender-branched shrub, with bright green leaves and double, yellow, globular-shaped flowers. 25 cents each.

Lilacs, Persian.—*Persian White, Large White, New Purple, and Charles X.* 25 cents each.

Mock Orange.—Syringas, three varieties, bearing exquisite pure white flowers in great profusion. 25 cents each.

Pyrus Japonica (Japan Quince).—Fine bright crimson scarlet; flowers in early spring. A fine hedge plant. 25 cents each.

Spiraea.—These are mostly beautiful early flowering shrubs, of various shaped flowers, either rose colored or white. The following are very fine: *Aurea, Callosa, Alba, Prunifolia, Billandierii* and *Reevesii*. 25 cents each.

Weigela Rosca.—Flowers opening light pink, passing to deep rose. One of the hardiest and most prolific flowering plants in cultivation. 25 cents each.

Weigela Aurea Variegata.—Deep green leaves, margined creamy white and yellow; flowers deep rose color. 25 cents each.

Viburnum Opulus (Snowball).—Large, pure white balls of flowers, end of May and June. One of the most beautiful shrubs. 25 cents each.

The above twenty-five very desirable varieties, one of each, for \$5.00.

HARDY CLIMBERS.

Akebia Quinata.—A beautiful slender climbing plant, with handsome and distinct foliage; flowers sweet-scented, deep chocolate. 35 cents each.

Ampelopsis Quinquifolia (Virginian Creeper).—A handsome native, rapid-growing vine, with deeply lobed leaves, and which change in autumn to deepest crimson. 25 cents each.

Ampelopsis Veitchii.—A gem amongst the "Ivies," with most graceful-shaped and richly deep-colored foliage clinging to the merest support. One of the most beautiful. 25 cents each.

Clematis Viticella.—A free-growing kind, with deep purple bell-shaped flowers, hardy. 25 cents each.

Honeysuckle, Chinese sweet-scented.—Fine fragrant yellow and white flowers. Constant flowering. 25 cents each.

Honeysuckle, Evergreen sweet-scented.—Flowers buff, yellow and white, nearly always in flower. Vigorous grower; fine for veranda. 25 cents each.

Honeysuckle, Sweet-scented European.—Flowers large and very sweet. Fine large trusses, pink, yellow and white. This is the *Old English Woodbine*. 25 cents each.

Honeysuckle, Japan or Golden.—Beautifully mottled golden yellow leaves. Flowers yellow and very fragrant. 25 cents each.

Honeysuckle, Halliana.—A fine white variety, changing to yellow. A free grower; one of the best. 25 cents each.

Honeysuckle, Red Coral.—A superb variety, rapid grower, trumpet-shaped flowers, brightest scarlet. 25 cents each.

English Ivy.—Strong plants. 25 cents each.

Wistaria.—Fine strong plants of the true Chinese variety; one of the handsomest climbers grown. Large plants, \$1.00; second size, 50 cents; third size, 25 cents, each.

The twelve beautiful varieties, one of each, for \$2.25.

VARIOUS HARDY PLANTS.

The following list of plants are among the most showy and thoroughly hardy plants, and should be planted early.

Anthericum lilago (*St. Bernard's Lily*).—Spikes of pure white flowers.

Chelone barbata.—Scarlet tube-shaped flowers.

Delphinium formosum.—Brilliant blue.

Dielytra spectabilis.—Very fine clumps.

Funkia variegata.—Fine in early Spring.

— *subcordata*.—Large pure white flowers.

Hemerocallis flava.—Yellow, lily-like flowers.

— **Kwanso, fl. pl.**—Showy, double, orange.

Hibiscus Californicus.—Large, pure white; fine.

— **moscheutos.**—Very showy; hardy; herbaceous; pink flowers.

Iberis Gibraltarica.—A perfectly hardy candy-tuft; pure white.

Lychnis viscaria, fl. pl.—Spikes of double stock-like pink flowers.

Spiraea palmata.—Beautiful rose-colored flowers.

— **Japonica.**—Beautiful pure white flowers.

Each, 30c.; 12 varieties for \$2.50.

For Novelties and Varieties of Special Merit, see Colored Supplement, and for Collections of Vegetable Seeds, see page 105.

A SELECT DESCRIPTIVE LIST OF VEGETABLE SEEDS.

Embracing all the leading and most popular varieties, with brief directions for their culture, which will be found under their respective headings.

It is our aim to offer in this department only such varieties as are really distinct and worthy of cultivation. Many painstaking experiments have been made to enable us to do this, and we feel confident that only such sorts as will, with proper treatment, give satisfactory results, are now offered. Our customers may rely on the good growing qualities of all our seeds, as, besides being new and of the best quality, they are thoroughly tested, so that we know they will vegetate; and while it would be manifestly wrong to warrant what is to some extent beyond our personal control, still we are quite confident that everything will be found true to name and description.

IMPORTANT TO PURCHASERS.

TO PREVENT MISUNDERSTANDING, WE HAVE ANNEXED A LIST OF PRICES BY THE **Packet, Ounce, One-quarter Pound, Pound, Quart, Peck, and Bushel**. PURCHASERS ORDERING A HALF-POUND OR HALF-BUSHEL WILL BE SUPPLIED AT POUND OR BUSHEL RATES; QUANTITIES LESS THAN ONE-HALF POUND OR ONE-HALF BUSHEL, AT ONE-QUARTER POUND OR ONE PECK RATES; FOR LESS THAN ONE-QUARTER POUND OR PECK, OUNCE AND QUART RATES WILL BE CHARGED; FOR LESS THAN ONE OUNCE, AT PACKET RATES. (See Remarks to Purchasers, Page 3.)

Please to bear in mind that the prices given for Vegetable Seeds DO NOT INCLUDE POSTAGE ON QUANTITIES OF $\frac{1}{4}$ LB. AND OVER. When ordered to be sent by mail, 16 CENTS PER LB., OR 25 CENTS PER QUART, MUST BE ADDED, TO PREPAY POSTAGE. In cases where the postage is not allowed, we shall be obliged to deduct from the order a sufficient quantity to cover the deficiency, to avoid the necessity of opening accounts for small balances.

In consequence of possible fluctuations in the market, we cannot be bound by these prices for any length of time. Our customers may rest assured, however, that their orders shall at all times be executed upon as favorable terms as the state of the market will allow.

ARTICHOKE.

[*Cynara Scolymus*, LIN. *Artichant*, FR. *Artischoke*, GER. *Alcachofa*, SP.]

CULTURE.—The Artichoke may be propagated by seed or offset suckers, separated in the Spring. When raised from seed, let them be sown early in the Spring, say at the time of the flowering of the peach, in drills a foot apart, and four inches apart in the drills. The next Spring transplant to permanent beds in hills, three feet apart each way, with three plants to a hill. It requires a deep, rich loam, abounding in moisture, and may be protected in Winter by covering with litter or earth.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Giant Green Globe.—The best for general culture. Produces large, globular heads, with thick, succulent scales, the bottom of which is the edible part. Boiled till tender, and served either hot or cold, with butter and salt, it makes a delicious dish. Per pkt., 10 cents; oz., 35; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

JERUSALEM ARTICHOKE.

[*Helianthus tuberosus*, LIN. *Topinambour*, FR. *Erdartischoke*, GER. *Pataca*, SP.]

In no way resembles the above, except that its tubers when cooked have the same taste and flavor. The plant yields an immense crop of tubers, which are the richest in fat-producing elements of any of our cultivated roots. Cultivate the same as potatoes, and take care to remove all the small roots, for, if left in the ground, they will come up the next spring, and may become a troublesome weed.

Jerusalem Artichoke.—Not produced from seed; tubers much esteemed for pickling; also make excellent food for stock. Three lb. packages, by mail, \$1.00; per peck, \$1.25; bush., \$3.00; bbl., \$8.00.

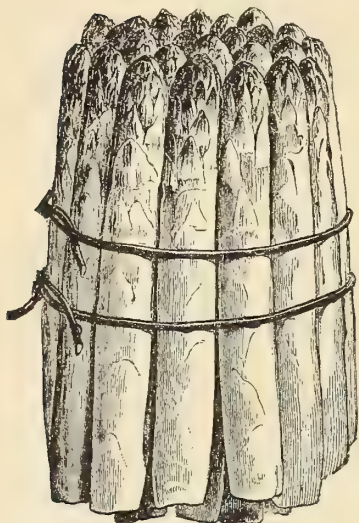


Artichoke—Green Globe.

ASPARAGUS.

[*Asparagus officinalis*, LIN. *Asperge*, FR. *Spargel*, GER. *Esparragos*, SP.]

One ounce will sow about fifty feet of drill.



Asparagus—Conover's Colossal.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Moore's New Cross-bred.—This new Asparagus is the result of careful cross-breeding between the Giant Improved and another excellent variety. It retains the head close until the stalks are quite long, is of uniform color, while for tenderness and quality it is unparalleled. The size is large and remarkably uniform; a specimen bunch of twelve stalks weighed over three pounds, while the general appearance is so fine that it finds a ready sale in the market. Per pkt., 15 cents; oz., 40; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00. One-year old roots, \$2.50 per 100. Two-year old roots, \$3.50 per 100.

Conover's Colossal.—A well-known variety of large size; tender, and of good quality. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 20; 1 lb., 60.

Smalley's Defiance.—Of a rich green color, very early, good size, tender, and of delicious flavor. Per pkt., 15 cents; oz., 50 cents; $\frac{1}{4}$ lb., \$1.50; lb., \$6.00.

Conover's Colossal Roots.—One year old, \$0.75 per 100; \$6.00 per 1000; by mail, \$1.00 per 100. Two year old, \$1.25 per 100; \$10.00 per 1000.

Smalley's Defiance Roots.—One year old, 30 cents per doz.; \$2.00 per 100; two years old, 40 cents per doz.; \$3.00 per 100.

In consequence of the bulk of two years old Asparagus, we can only send one year old roots by mail.

BEANS (English).

[*Faba vulgaris*, LIN. *Fève de marais*, FR. *Gartenbohne*, GER. *Haba comun*, SP.]

One quart will plant one hundred feet of drill.

CULTURE.—Plant as early in the Spring as the ground can be worked, from two to four inches apart, in drills from twenty-four to thirty inches apart. As soon as the plants are in full blossom and the lower pods begin to set, pinch off the tops; this will insure the filling of the pods and hasten the maturity of the seeds. A strong, heavy soil, with a considerable portion of clay, is indispensable for a good crop of this class of Beans.

If by mail, postage must be added at the rate of 15 cents per pint, or 25 cents per quart.

Broad Windsor.—Particularly valuable from its habit of ripening unequally, some pods being quite full, while others are in various stages of filling. Per qt., 40 cents; peck, \$2.50; bush., \$8.00.

Early Mazagan.—This variety is suitable both for field and garden culture. Per qt., 30 cents; peck, \$1.75; bush., \$6.00.

Long-pod Sword.—This sort is also adapted either for the garden or the field. Per qt., 40 cents; peck, \$2.00; bush., \$7.50.



English Bean.

BEANS (Dwarf, Snap, or Bush).[*Phaseolus vulgaris*, LIN. *Haricot*, FR. *Bohne*, GER. *Frijol enano*, SP.]

Under the name of Dwarfs are classified all the low growing sorts, called in different Catalogues *Bush*, *Band*, *Snap*, *String*, or *French Beans*.

One quart will plant from 100 to 150 feet of drill, according to size of Bean.

CULTURE.—Being extremely sensitive to frost and cold, they should not be planted before the middle of Spring, when the ground has become light and warm. In a favorable season the first of May will generally be found about right. Select a dry, sheltered spot, which has been previously slightly manured and well dug; make drills two inches deep and two feet apart, and plant the Beans three inches apart in the drill, and cover not more than two inches deep. Hoe often, but only when dry, as earth scattered on the leaves when wet with dew or rain will cause them to rust, and greatly injure the crop. Plant at intervals throughout the season, for a succession, finishing about the end of July.

If by mail, postage must be added at the rate of 15c. per pint, or 25c. per quart.

Black Wax.—Highly recommended as a string bean; pods almost transparent; waxy, yellow, thick, and tender. Per pkt., 10 cents; qt., 30; peck, \$2.00; bush., \$7.00.

Crystal White Wax.—A distinct variety, with waxy, transparent pods; stringless, succulent, crisp, tender, and of the richest flavor. The pods are slow to harden, and retain their delicious tenderness on the bush longer than any other sort. Per pkt., 10 cents; qt., 35; peck, \$2.25; bush., \$8.00.

Dwarf Mont d'Or Beans.—A new variety of wax bean; from Germany. A profuse bearer, and a decided acquisition. Per pkt., 15 cents; pint, 75.

Dwarf White Wax.—Similar in every respect to Black Wax, except in color. Per pkt., 10 cents; qt., 30; peck, \$2.00; bush., \$7.00.

Early China.—Very early and of fine quality; seeds white, spotted with purplish red. Per pkt., 10 cents; qt., 30; peck, \$1.75; bush., \$6.00.

Early Feejee.—The earliest and most hardy variety grown, of good size, very productive, and of excellent quality. Per pkt., 10 cents; qt., 30; peck, \$1.75; bush., \$6.00.

Early Long Yellow Six Weeks.—Hardy and prolific; excellent for general crop. Per pkt., 10 cents; qt., 30; peck, \$1.50; bush., \$5.00.

Early Mohawk.—One of the hardest and most productive of the dwarf varieties. Per pkt., 10 cents; qt., 30; peck, \$1.50; bush., \$5.00.

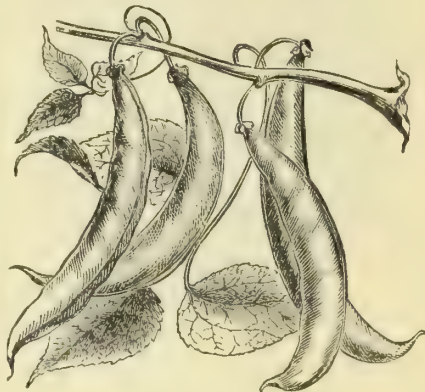
Early Rachel.—One of the earliest, hardy and productive; pods crisp and tender when young. Per pkt., 10 cents; qt., 30; peck, \$1.50; bush., \$5.00.

Early Round Yellow Six Weeks.—Very hardy, early and prolific; excellent for general crop. Per pkt., 10 cents; qt., 30; peck, \$1.50; bush., \$5.00.

Early Valentine.—Early and productive; pods tender and succulent. Per pkt., 10 cents; qt., 30; peck, \$1.50; bush., \$5.00.

Gallega or Large Refugee.—An improved form of the well-known Refugee Bean, being not only far more prolific, but pods and beans are much larger in size than in that well-known variety. Per pkt., 10 cents; qt., 30; peck, \$1.75; bush., \$6.00.

Golden Wax Dwarf.—Earlier than the Dwarf Black Wax; pods large, long, and brittle, and entirely stringless. As a Snap Bean it excels all other sorts in tenderness and richness of flavor, and has the further merit of being one of the best shell Beans grown for Winter use. Per pkt., 10 cents; qt., 30; peck, \$2.00; bush., \$7.00.



Ivory Pod Wax.

Ivory Pod Wax.—This variety cannot be too highly praised, as a snap-short, or for a Winter shelled Bean, and cannot be surpassed for canning purposes. It is fully a week earlier than the Black Wax, enormously productive, long, stringless, tender, succulent, with transparent ivory-white pods, and of rich creamy flavor. It is, without doubt, the most productive Wax Bean now grown, the vines being a perfect mat of pods the entire season. Per pkt., 10 cents; qt., 50; peck, \$2.50; bush., \$9.00.

Large White Kidney, or Royal Dwarf.—As a shell bean, green or ripe, this is one of the best of the Dwarfs. Per pkt., 10 cents; qt., 30; peck, \$1.50; bush., \$5.00.

Refugee, or Thousand to One.—Hardy, yields abundantly, and of fine quality; as a string bean or for pickling, it is considered the best. Per pkt., 10 cents; qt., 30; peck, \$1.50; bush., \$5.00.

Turtle Soup Black.—The young pods of this variety are tender and of excellent quality; the ripe seed is used in the preparation of Turtle Soup. Per pkt., 10 cents; qt., 30; peck, \$1.25; bush., \$4.50.

White Marrow.—An excellent variety for cooking when ripe, for which it is extensively grown. Per pkt., 10 cents; qt., 25; peck, \$1.50; bush., \$5.50.

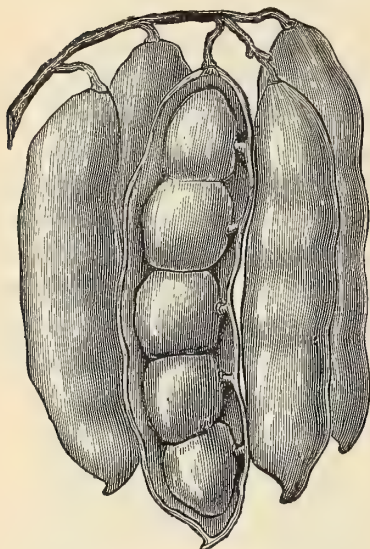
BEANS (Pole or Running).[*Haricots a Rames*, FR. *Stangen Bohne*, GER. *Frijol vastago*, SP.]

One quart will plant about 150 hills.

These are more tender, and require rather more care in culture than the bush beans, and, as a rule, should be sown two weeks later. They succeed best in sandy loam, which should be liberally enriched with short manure in the hills, which are formed, according to the variety, from three to four feet apart; from five to six seeds are planted in each hill, with the eye downward; cover about two inches. When the plants are well established, thin out, leaving four to each hill. They transplant easily if grown in frames, so as to fill up around the poles, where they miss or fail to come up, owing to unfavorable weather.

POLE BEANS.—*Cont'd.*

If by mail, postage must be added at the rate of 15c. per pint, or 25c. per quart.



Dreer's Improved Lima Beans.

Dreer's Improved Lima.—The distinctive improvements are its earliness, remarkable productiveness, delicious flavor, and the forming of the beans so closely in the pod. Per pkt., 10 cents; qt., 50; peck, \$3.25; bush., \$11.00.

Large White Lima.—A large, late bean, with broad, rough pods; and, although late, is surpassed in quality by no other variety. It is a general favorite wherever cultivated. Per pkt., 10 cents; qt., 50; peck, \$3.00; bush., \$10.00.

Extra Early Lima.—A new and distinct variety, fully ten days earlier than any other. Recommended market sort; very productive and of extra fine quality. Per pkt., 15; pint, 50.

Early Dutch Case Knife.—Early and productive, and excellent, whether used green or dry. Per pkt., 10 cents; qt., 40; peck, \$2.25; bush., \$8.00.

Giant Wax.—Pods six to nine inches long, thick and fleshy, of a pale yellow color and waxy appearance; the seeds are tender, and shelled green or as a snap Bean, it has no superior. Per pkt., 15 cents; qt., 50; peck, \$3.50; bush., \$12.00.

Horticultural Cranberry, or Wren's Egg.—An old and popular variety; green beans, large, egg-shaped, and of the highest quality; the dry beans are very superior for baking or stewing. Per pkt., 10 cents; qt., 35; peck, \$2.00; bush., \$7.00.

Indian Chief, or Algerian Wax.—Produces in great abundance; fine, tender, succulent, and richly colored pods, that continue fit for use longer than any other variety. Per pkt., 10 cents; qt., 50; peck, \$3.00; bush., \$10.00.

Mout D'Or, or Golden Butter.—A splendid variety with golden yellow pods, very prolific, and of excellent quality. Per pkt., 10 cents; qt., 50; peck, \$3.50; bush., \$12.00.

Scarlet Runner.—A favorite sort, cultivated for the beauty of its flowers, as well as for culinary uses. Per pkt., 10 cents; qt., 50; peck, \$2.50; bush., \$9.00.

Southern Prolific.—An excellent bean for cooking in the pod. The pods are produced in clusters, and as it matures in seventy days, the growth is rapid and the pods brittle and tender. It is one of the most popular beans in the Southern States, where it is better known than in the North. Per pkt., 10 cents; qt., 50; peck, \$3.50; bush., \$12.00.

White Runner, or Dutch.—Similar to Scarlet Runner, except in color of seed and flower. Per pkt., 10 cents; qt., 40; peck, \$2.25; bush., \$8.00.

Small Lima, Carolina, Sewee, Sieva, or Saba.—Resembles the Large Lima, but is inferior in flavor, is earlier, more hardy, and surer to produce a good crop. Per pkt., 10 cents; qt., 50; peck, \$3.00; bush., \$10.00.

BEET.

[*Beta vulgaris*, LIN. *Betterave*, FR. *Runklereube*, GER. *Remolacha*, SP.]

One ounce will sow one hundred feet of drill.

CULTURE.—Select for this crop deep and rich, yet rather light and loamy soil which has been well manured during the previous season.

For an early supply, sow as soon as the ground can be worked in Spring, and the main crop the first week in May; but for Winter use sow as late as June. Sow in drills about one inch deep, and from fifteen to eighteen inches apart, and, if possible, select a dry day when the ground is in good working order for putting in the seed. By soaking the seed in tepid water for twenty-four hours it will vegetate much sooner.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Bastian's Early Blood Turnip.—This valuable variety is larger than Egyptian Blood Turnip; tender and sugary, and retains its blood-red color after cooking. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 80.

Dark Red Egyptian.—Early and distinct, very deep red, tender and delicious; ten days earlier than any other; a valuable market variety. Per pkt., 10 cents; oz., 15; $\frac{1}{4}$ lb., 35; lb., \$1.00.

Dewing's Improved Blood Turnip.—Of fine form and flavor, and deep blood-red; a desirable variety. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 80.

Early Blood Turnip.—A standard round variety, with small top; very tender; flesh of good color. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 80.

Early Yellow Turnip, or Orange.—Flesh yellow, very tender and juicy. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 80.

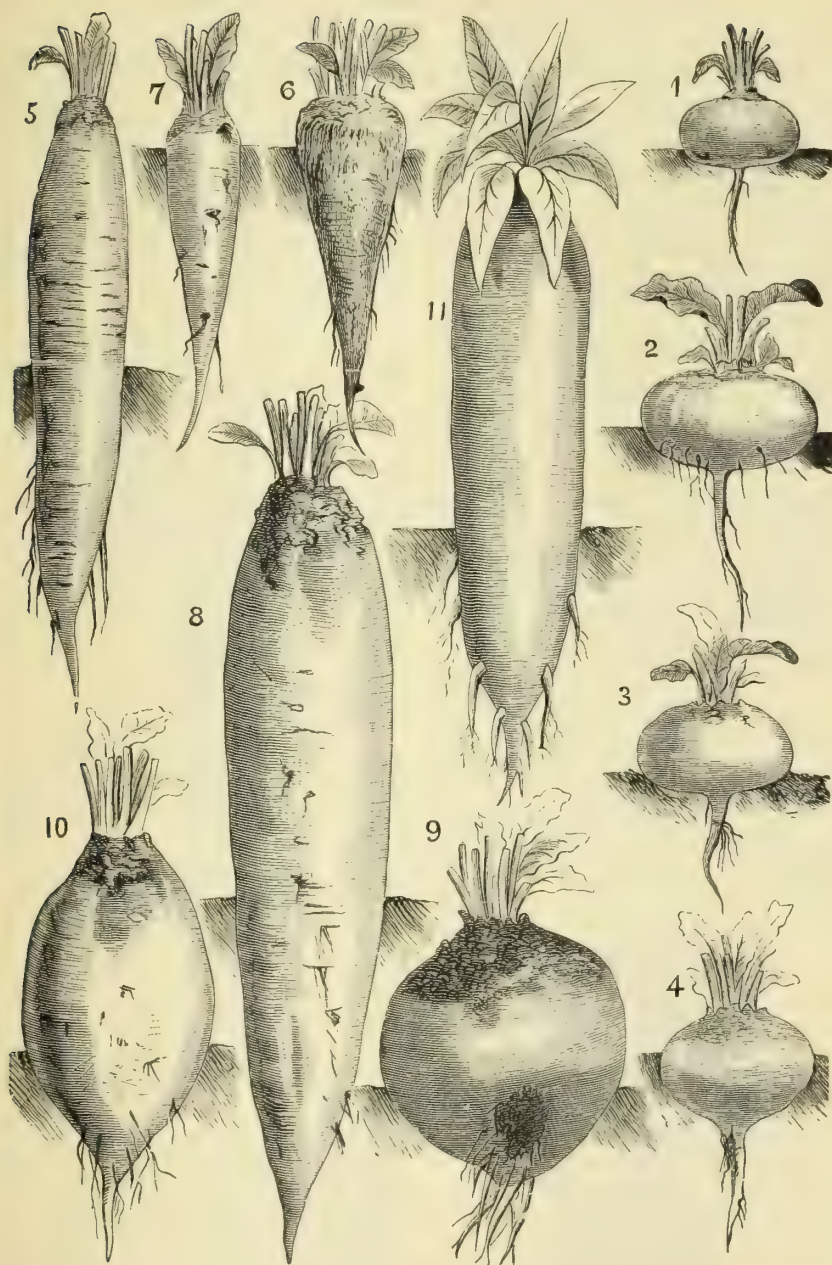
Early Flat Bassano.—A flat, turnip-shaped variety, flesh white, circled with rose color; grows to a good size; is tender and juicy. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 80.

Half-Long Blood.—A favorite variety; smooth skin and very dark flesh; keeps well. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 80.

Pine-Apple.—An English variety, foliage small, but very dark red; roots dark crimson. Per pkt., 10 cents; oz., 15; $\frac{1}{4}$ lb., 40; lb., \$1.25.

Smooth, Long, Dark Blood.—This grows to a good size, half out of the ground, with few or no side roots; flesh dark blood-red; keeps well. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 20; lb., 60.

Swiss Chard, or Silver.—This is sometimes called "Sea Kale Beet," and is cultivated for its leaf-stalks, which are served up like Asparagus or Spinach. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 80.



GARDEN AND FIELD BEETS.

1.—Early Dark Red Egyptian.
2.—Bassano.
3.—Blood Turnip.
4.—Dewing's Blood Turnip.

5.—Long Smooth Dark Blood.
6.—Rough Skinned.
7.—Deep Red Castelmandary.
8.—Mammoth Long Red Mangel Wurzel.

9.—Yellow Globe Mangel Wurzel.
10.—Olive Shaped Mangel Wurzel.
11.—Lane's Improved Sugar.

BEET.—*Cont'd.*

MANGEL WURZEL AND SUGAR BEETS.

From four to six pounds of seed will sow one acre.

CULTURE.—The following varieties are extensively grown for feeding stock, and are excellent food to increase the flow of milk. As they grow much larger than the varieties cultivated for table use, they require more room, and should be sown in drills about two feet apart. The seeds should be dropped about two inches apart in the drills, and, when strong enough, thinned out to twelve or fifteen inches in the row. The long varieties are best suited to a deep soil, and the globe sorts succeed better than the long sorts on sandy soil.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Golden Tankard.—One of the most nutritious varieties in cultivation; flesh deep yellow, very productive. Per oz., 10 cents; $\frac{1}{4}$ lb., 25; lb., 80.

Kinver Yellow Globe.—A new and very productive variety; one of the best. Per oz., 10 cents; $\frac{1}{4}$ lb., 25; lb., 75.

Long Red Mangel Wurzel.—This is more generally grown for agricultural purposes than any other, producing roots of large size and fine quality. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 15; lb., 50.

Mammoth Long Red.—This variety produces roots of mammoth size, very regular and with a small top. Per oz., 10 cents; $\frac{1}{4}$ lb., 25; lb., 75.

Obendorf Red and Obendorf Yellow.—Two new German varieties, of fine shape, which grow to a large size, and are very productive. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 75.

Prize Yellow Globe.—Of beautiful shape, fine, clear skin, productive, and of excellent nutritive qualities. Per oz., 10 cents; $\frac{1}{4}$ lb., 25; lb., 80.

Red Globe.—Differing from Yellow Globe only in color. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 20; lb., 60.

Warden Orange Globe.—A yellow Globe, unequalled for excellence of quality and productiveness; twelve well-shaped roots weighed 192 pounds. Per oz., 10 cents; $\frac{1}{4}$ lb., 20; lb., 60.

Yellow Globe.—A large, round, orange-colored variety, excellent quality, keeps better than the long red, and is better adapted for growing on shallow soil. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 15; lb., 40.

Yellow Ovoid.—Bulb ovoid, intermediate between the Long and Globe varieties; flesh solid; usually white, zoned with yellow; hardy and productive; very nutritious. Per oz., 10; $\frac{1}{4}$ lb., 25; lb., 75.

SUGAR BEET.

French Sugar.—This grows to large size, much above ground; roots medium length, and white fleshed; leaves green; considerably grown in this country for feeding. Cultivated extensively for the manufacture of sugar. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 15; lb., 50.

Lane's Improved Imperial Sugar.—An improved variety of the French Sugar Beet, obtained by careful selection in this country, and recommended as being hardier, more productive, and containing a greater percentage of sugar than the ordinary variety. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 80.

Vilmorin's Improved Imperial Sugar.—An improved variety from France, said to afford the largest percentage of sugar of any known variety. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 80.

BORECOLE, or KALE.

[*Brassica oleracea acephalo*, LIN. *Chou-rest*, FR. *Gruener Kohl*, GER. *Breton*, SP.]

One ounce will sow a bed of forty square feet, and produce about 3,000 plants.

CULTURE.—Borecole, or Kale, may be grown in almost any soil, but the richer it is the more abundant the product. Sow from the middle of April to the beginning of May, in prepared beds, covering the seeds thinly and evenly; transplant in June, and treat in the same manner as for cabbage. Of all the cabbage tribe this is the most delicious, and would be much more extensively grown than it is, if its excellent qualities were generally known. The varieties are all extremely hardy, and are best when touched by frost.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.



Green Curled Scotch Borecole, or Kale.

Dwarf Curled Kale, or German Greens.—Dwarf; leaves yellowish green, very finely fringed. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 90.

Dwarf Purple or Brown Kale.—A beautiful curled variety, with reddish tinted leaves. Per pkt., 5 cents; oz., 15; $\frac{1}{4}$ lb., 30; lb., \$1.00.

Green Curled Scotch.—Very hardy, and like the Savoys, is improved by a moderate frost. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 30; lb., \$1.00.

Improved Garnishing.—Very ornamental as a border plant, as well as useful for culinary purposes. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Improved Siberian.—A new and very hardy variety, much in favor with the market gardeners around New-York. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 80.

New Russian Hardy.—A beautifully lacinated, extremely hardy variety, with thick foliage of a peculiar sea-green color. It has remained uninjured during very severe Winters, while other varieties, growing alongside, were completely destroyed. Per pkt., 25 cents.

Thousand-Headed.—Yields abundantly on any soil, and greatly relished by cattle or sheep; grows from three to four feet high, the stem being covered with leaves, which form small heads. It is not affected by slight frost, and by successive sowing may be had all the year round in the Southern States or on the Pacific coast. Per pkt., 10 cents; oz., 20; $\frac{1}{4}$ lb., 60; lb., \$2.00.

BROCCOLI.

[*Brassica oleracea botrytis*, LIN. *Chou brocoli*, FR. *Brocoli*, *Spargel-Kohl*, GER. *Brocoli*, SP.]

One ounce will sow a bed of forty square feet, and produce about 3,000 plants.

CULTURE.—The seed should be sown in hotbeds, for early crops, in April; for main crops, in May. When the plants are sufficiently strong, and before they are drawn by growing too closely together, transplant them into nursery beds or lines, allowing about four inches between the plants.

Plant out as soon as the plants are sufficiently established, in rows from two feet to two feet six inches apart, leaving about the same distance between the plants. Keep them well supplied with water until they get fairly established.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Early Purple Cape.—This is the most valuable kind for the North, producing large, close heads, of a brownish purple, and has an excellent flavor. Per pkt., 10 cents; oz., 50; $\frac{1}{4}$ lb., \$1.50.

Walcheren.—One of the hardiest and best, with very large, firm heads. Per pkt., 10 cents; oz., 60; $\frac{1}{4}$ lb., \$2.00.

White Cape.—A later sort, and should be sown at the North very early in the Spring. The heads, when perfected, are large, white, and compact, so nearly resembling the Cauliflower that it is sometimes called the "Cauliflower Broccoli." Per pkt., 10 cents; oz., 75; $\frac{1}{4}$ lb., \$2.00.



Brussels Sprouts.

BRUSSELS SPROUTS.

[*Brassica oleracea bullata*, LIN. *Chou de Bruxelles*, FR. *Gruener Sprossen*, GER. *Breton de Bruselas*, SP.]

One ounce will sow a bed of forty square feet, and produce about 3,000 plants.

CULTURE.—Although not in general use in this country, this is a most delicious vegetable. The plant grows two or three feet high, and produces from the axils of the leaves an abundance of sprouts, one or two inches in diameter, resembling small cabbages, and of excellent flavor. The culture is much the same as for Cabbage. If early plants are raised in a hot-bed, they will be fit for use in September, and a later sowing in the open ground will be in perfection about the time Winter commences. These should be taken up and stored in a cool cellar, with the roots in earth, where they will remain fit for use during the Winter. Where the winters are not very severe, they may remain in the ground, to be cut as needed; in fact the sprouts are much improved by a moderate frost.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Improved Dwarf.—A new variety of excellent quality. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 80; lb., \$2.00.

Tall French.—Per pkt., 10 cents; oz., 15; $\frac{1}{4}$ lb., 50; lb., \$1.75.

CABBAGE.

[*Brassica oleracea capitata*, LIN. *Chou pomme ou cabus*, FR. *Kopfkohl*, GER. *Repollo*, SP.]

One ounce will sow a bed of forty square feet, and produce about 3,000 plants.

CULTURE.—To grow this crop to perfection, the soil must be deep, rich, heavily-manured, and thoroughly worked. For early use, sow the seed in hot-beds in February or March, or it may be sown about the middle of September, and the plants wintered over in cold frames. Transplant in Spring, as soon as the ground can be worked, in rows two feet apart, and the plants eighteen inches apart in the rows, and set the plants in the ground up to the first leaf, no matter how long the stem may be. For late or Winter use, the seed should be sown in May or June, and the plants set out in August, two and a half by three feet.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Early Bleichfeld Giant.—An early, short-stemmed, German variety; heads large and very solid. Per pkt., 10 cents; oz., 50 cents; $\frac{1}{4}$ lb., \$1.50.

Early Blood Red Erfurt.—About ten days earlier than the Red Dutch, and equally good for pickling. Per pkt., 10 cents; oz., 40; $\frac{1}{4}$ lb., \$1.25; lb., \$4.50.

Early Drumhead or Buttersea.—A second early variety, round, flat-headed, of excellent quality, and not liable to crack. Per pkt., 10 cents; oz., 20; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Early Flat Dutch.—A valuable early variety, of good size; solid and of good flavor. Per pkt., 10 cents; oz., 50; $\frac{1}{4}$ lb., \$1.75; lb., \$6.00.

Early Summer, Henderson's.—A fine early sort, coming in just after Wakefield; large firm heads. Per pkt., 10 cents; oz., 50; $\frac{1}{4}$ lb., \$1.75; lb., \$6.50.

Early Wyman.—One of the best early market Cabbages grown; it heads early in the season, is of large size and first quality. Per pkt., 10 cents; oz., 50; $\frac{1}{4}$ lb., \$1.75; lb., \$6.50.

CABBAGE.—*Cont'd.*

Early Jersey Wakefield.

Early Wakefield (True Jersey variety).—This is a favorite variety with market gardeners in all parts of the country; it is very early, of medium size, good quality, and sure to head. Per pkt., 10 cents; oz., 75; $\frac{1}{4}$ lb., \$2.00; lb., \$7.50.

Early Wakefield (Imported).—Grown from American stock. Per pkt., 10 cents; oz., 40; $\frac{1}{4}$ lb., \$1.50; lb., \$5.00.

Early York.—A well known variety, with small, heart-shaped heads, firm, tender, and of excellent flavor. Per pkt., 5 cents; oz., 20; $\frac{1}{4}$ lb., 60; lb., \$2.00.

Filderkraut.—A desirable German variety, introduced some years ago; heads up very solid, and does equally well as an early or late variety. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Fottler's Improved Brunswick.—This is the best Early Drumhead variety, producing a good firm and solid head, of splendid quality. Per pkt., 10 cents; oz., 50; $\frac{1}{4}$ lb., \$1.75; lb., \$6.00.

Large Bergen or Great American.—A large, late sort, of a light green color, with a short stem; the heads are firm, tender, and of good flavor. Per pkt., 10 cents; oz., 40; $\frac{1}{4}$ lb., \$1.50; lb., \$5.00.

Large Early Schweinfurt.—A German variety, with very large heads of fine quality, adapted for Summer and Fall use; it is the largest early variety in cultivation. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

Large Early York.—Larger and later than the Early York; it endures the heat well; and is much esteemed at the South. Per pkt., 5 cents; oz., 20; $\frac{1}{4}$ lb., 60; lb., \$2.00.

Large French Ox-heart.—An excellent variety, in use after Early York; heads close and firm, with but few loose leaves. Per pkt., 10 cents; oz., 20; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Large Late Drumhead, American.—A very large variety, with solid, flat, or round heads. Per pkt., 10 cents; oz., 40; $\frac{1}{4}$ lb., \$1.50; lb., \$5.00.

Large Late Drumhead, English.—Resembles the preceding. Per pkt., 5 cents; oz., 20; $\frac{1}{4}$ lb., 60; lb., \$1.50.

Marblehead Mammoth Drumhead.—This is the largest variety of the Cabbage family, and succeeds admirably in the Southern States, where it is considered one of the best for that latitude. Per pkt., 10 cents; oz., 50; $\frac{1}{4}$ lb., \$1.75; lb., \$6.00.

Premium Flat Dutch.—As a variety for the Winter market this has no superior. Heads large, round, solid, broad and flat on the top; they open white and crisp, are tender and well-flavored; it is also one of the very best varieties to keep. Per pkt., 10 cents; oz., 40; $\frac{1}{4}$ lb., \$1.50; lb., \$5.00.

Red Dutch, or Pickling.—About medium size, with very hard, oblong heads, of a dark red color. Per pkt., 10 cents; oz., 20; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Silver-Leaf Drumhead.—An excellent market variety, firm, solid head, of large size, good keeper. Per pkt., 10 cents; oz., 50; $\frac{1}{4}$ lb., \$1.75; lb., \$6.00.

Stone Mason (Imported).—An improved variety of the Drumhead; flat and solid; quality sweet, tender, and rich; a profitable market variety. Per pkt., 10 cents; oz., 40; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.



Premium Flat Dutch.

Winnigstadt.—One of the best for general use; comes both early and late; remarkably solid and hard; keeps well in hot and cold weather. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

COLLARDS.

A variety of Cabbage grown extensively at the South, where it is cultivated for greens, and will always give a crop when Cabbage fails. Our seed is true Creole, the only variety worth growing. Per pkt., 5 cents; oz., 20; $\frac{1}{4}$ lb., 60; lb., \$2.00.

SAVOY CABBAGE.

The Savoy Cabbages have wrinkled leaves, and are of excellent flavor; they approach nearer to the delicious richness of the Cauliflower than any of the other Cabbages, especially after a slight frost has touched them in early winter.

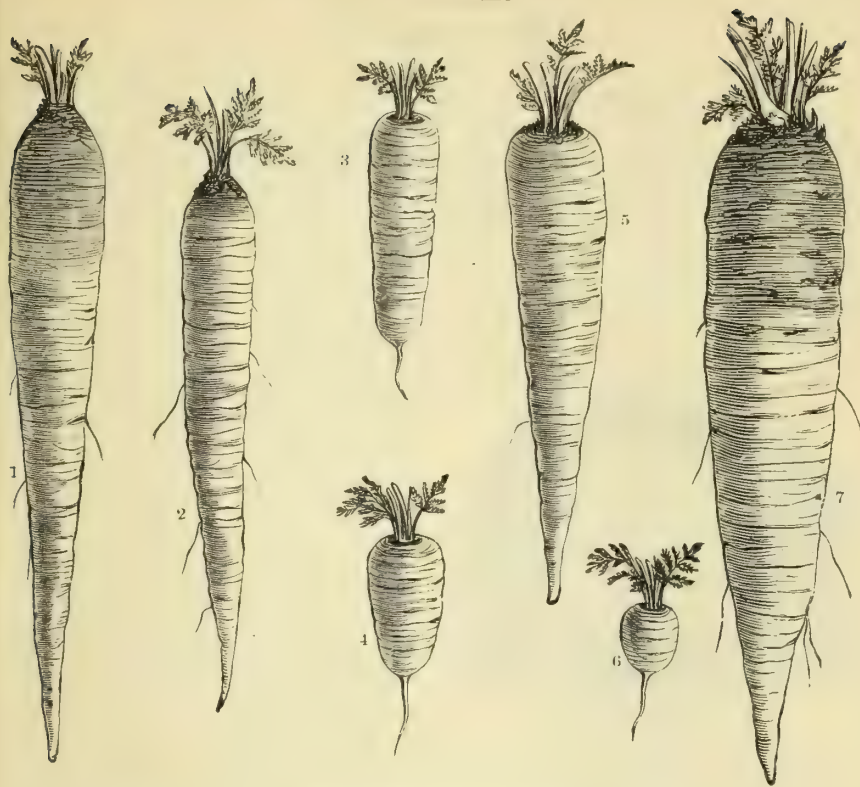
If by mail, in quantities of 4 ounces and upward, postage must be added at the rate of 16 c. per pound.

Drumhead.—Very tender and excellent for Winter. Per pkt., 5 cents; oz., 40; $\frac{1}{4}$ lb., \$1.25; lb., \$2.50.

Green Globe or Curled.—Leaves wrinkled and dark green; very hardy, and improved by frost. Per pkt., 5 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Improved American.—A most excellent variety, with large, firm heads, of superior flavor. Per pkt., 10 cents; oz., 40; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

Victoria.—Excellent in every way; heads large and firm. Per pkt., 10 cents; oz., 40; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.



1.—Bliss's Improved Long Orange.

5.—Long Orange.

2.—Altringham.

6.—Earliest French Forcing.

3.—Early Half-long Scarlet.

7.—Large White Belgian.

4.—Early Horn.

CARROT.

[*Daucus Carota*, LIN. *Carotte*, FR. *Möhre*, GER. *Zanahoria*, SP.]

One ounce will sow one hundred feet of drill.

CULTURE.—A light, deep, sandy loam is the most suitable, and, as manure applied in a fresh state often induces forked and ill-shaped roots, the ground intended for carrots should be heavily manured and well dug the previous season. If additional manure is considered requisite, let it be applied after the crop is up, using guano or some good artificial manure. Sow as early in Spring as the ground is in fair working condition, in drills twelve to fifteen inches apart, covering the seeds evenly to the depth of about half an inch. As soon as the plants are sufficiently strong, thin out to from four to six inches, according to the variety, the larger ones requiring the greater distance, and keep the surface open by a frequent use of the hoe. Carrot-seed being slow to germinate, if soaked in tepid water for about twelve hours, and afterward mixed with dry sand to separate, it will germinate more freely.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Altringham.—An excellent variety, smaller than the Orange; mild and well flavored. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 30; lb., \$1.00.

Bliss's Improved Long Orange.—A great improvement on the common Long Orange, obtained by a careful selection for successive years of the best formed and deepest colored roots; it is larger, better flavored, of a deeper orange color, and more certain to produce a crop. Per pkt., 10 cents; oz., 15; $\frac{1}{4}$ lb., 35; lb., \$1.00.

Earliest French Forcing.—A favorite little Carrot, prized on account of its extreme earliness and superior flavor; best for forcing. Per pkt., 5 cents; oz., 15; $\frac{1}{4}$ lb., 50; lb., \$1.50.

Early Half-long Scarlet.—A stump-rooted sort, in size between the Early Horn and Long Orange, good for shallow soils. Per pkt., 5 cents; oz., 15; $\frac{1}{4}$ lb., 40; lb., \$1.25.

Early Horn.—One of the earliest varieties; fine-grained and agreeably flavored; excellent table Carrot, and grows well on thin soil. Per pkt., 5 cents; oz., 15; $\frac{1}{4}$ lb., 40; lb., \$1.25.

French Intermediate.—An excellent variety, in size between the above and Long Orange; very smooth and of beautiful form. Per pkt., 5 cents; oz., 15; $\frac{1}{4}$ lb., 35; lb., \$1.00.

Improved Danvers.—Cylindrical shape, stump-rooted, bright orange red. Per pkt., 10 cents; oz., 15; $\frac{1}{4}$ lb., 40; lb., \$1.25.

Long Orange.—A well-known variety, suitable for either garden or farm culture. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 80.

Large White Belgian.—This variety grows about one-third out of the ground; roots white, green above ground; grown extensively for feeding stock. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 75.

CAULIFLOWER.

[*Brassica oleracea botrytis*, LIN. *Choufleur*, FR. *Blumen-kohl*, GER. *Coliflor*, SP.]

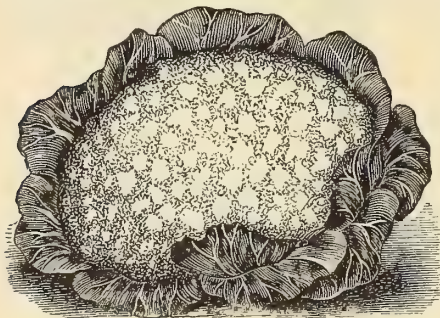
One ounce will sow a bed of forty square feet and produce about 3000 plants.

CULTURE.—When grown to perfection, this is a most delicious vegetable, and well repays generous treatment in cultivation. With a deep, rich soil, and an abundance of moisture, which in dry seasons must be applied artificially, Cauliflowers can be grown well. Frequent and vigorous hoeing, and a liberal supply of rich liquid manure, to keep up a continuous and rapid growth, will produce splendid heads of the most delicate flavor. It facilitates blanching if the leaves are gathered loosely together and tied over the top of the head. For sowing the seed, the same general directions as recommended for Cabbage will answer for this crop.

If by mail in quantities of 4 ounces and upward, postage must be added at the rate of 16c. per pound.

Algiers.—A very popular late variety, and one of the very best for the market. Per pkt., 15 cents; oz., \$1.00; $\frac{1}{4}$ lb., \$3.50; lb., \$12.00.

Early Dutch.—An early sort, with large, compact heads. Per pkt., 10 cents; oz., 60; $\frac{1}{4}$ lb., \$2.00; lb., \$7.00.



Erfurt Earliest Dwarf.

Erfurt Earliest Dwarf.—Seed grown in Erfurt: the earliest variety in cultivation, very dwarf, with solid, pure white heads, and of superior quality; one of the surest to head; seed very scarce. Per pkt., 50 cents; oz., \$10.00.

Erfurt Early Dwarf.—A favorite variety; very early; compact heads of fine quality. Per pkt., 25 cents; oz., \$2.00; $\frac{1}{4}$ lb., \$7.00; lb., \$24.00.

Erfurt Large Early White.—An excellent variety, producing large, white, compact heads, of fine quality. Per pkt., 25 cents; oz., \$1.50; $\frac{1}{4}$ lb., \$5.00; lb., \$18.00.

Early London.—An excellent early variety; heads large, very white and tender. Per pkt., 10 cents; oz., 60; $\frac{1}{4}$ lb., \$2.00; lb., \$7.00.

Early Paris.—The best known of all the early varieties; tender and delicious. Per pkt., 15 cents; oz., \$1.00; $\frac{1}{4}$ lb., \$3.50; lb., \$12.00.

Early Snowball.—An extremely early dwarf variety, producing magnificent white heads of the finest quality. Per pkt., 25 cents; oz., \$5.00.

Half Early Paris.—One of the most popular varieties; heads very white and compact; good for an early or late variety. Per pkt., 15 cents; oz., \$1.00; $\frac{1}{4}$ lb., \$3.00; lb., \$10.00.

Imperial.—A medium early French variety, sure to head; grows to a large size, is of delicious flavor, and will prove a valuable market variety. Per pkt., 15 cents; oz., \$1.00; $\frac{1}{4}$ lb., \$3.00; lb., \$10.00.

Leonard and Short Stemmed.—A superior variety, with fine, large, and well-formed heads. Per pkt., 15 cents; oz., \$1.00; $\frac{1}{4}$ lb., \$3.00; lb., \$10.00.

Nonpareil.—A well-known variety, highly esteemed; sure to head. Per pkt., 15 cents; oz., \$1.00; $\frac{1}{4}$ lb., \$3.00; lb., \$10.00.

Veitch's Autumn Giant.—A valuable distinct late variety, producing large, white, firm heads, well protected by the foliage. Per pkt., 15 cents; oz., \$1.00; $\frac{1}{4}$ lb., \$3.00; lb., \$10.00.

Walcheren.—A favorite late variety, very hardy, and produces large, white, firm heads, of uniform closeness. Per pkt., 10 cents; oz., 60; $\frac{1}{4}$ lb., \$2.00; lb., \$7.00.

CELERIAC, or TURNIP-ROOTED CELERY.

[*Apium graveolens rapaceum*, LIN. *Celeri-rave*, FR. *Knot selleri*, GER. *Apio raiz de Nabo*, SP.]

One ounce will sow a bed of nine square yards.

Sow early in the spring, in light, rich soil, transplant in May into beds, and water freely in dry weather. When the plants are nearly full grown, it is customary to earth up the bulbs to the height of four or five inches. In about a month they will be found sufficiently blanched for use. The roots, which resemble Turnips, will be ready in October, and may be preserved in sand during winter. This vegetable is much esteemed in Europe, where its cultivation is very general. The roots are used in soups or, after being scraped and sliced, boil very tender and stew for four or five minutes in just milk enough to cover, after which, season with salt and serve with butter.

If by mail in quantities of 4 ounces and upward, postage must be added at the rate of 16c. per pound.

Common.—Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Apple-shaped.—Of a very regular, almost spherical, shape, with a fine neck and small leaves; it may be planted very thickly, and will yield a heavy crop. A valuable variety for the market on account of its fine and regular form and excellent quality. Packet, 10 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.



Apple-shaped Celeriac.

CELERY.

[*Apium graveolens*, LIN. *Celerie*, FR. *Selleri*, GER. *Apio*, SP.]

One ounce will sow a bed of nine square yards, and produce about 7,000 plants.

CULTURE.—For the first crop sow early in March in a gentle hotbed, and for the main crop early in April on a warm sheltered border, and water carefully. The plants must be transplanted as soon as they will bear handling; plant out at intervals until the middle of July. Planting upon the surface instead of in trenches is most general, although not the best method. The soil should be very rich and deep, and the plants placed in rows three feet apart, and from six to eight inches apart in the rows. Earth up the plants as they advance in growth, but leave the hearts uncovered until the final soiling.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Golden Heart, or Golden Dwarf. The size and habit of growth resembles Crawford's Half Dwarf, but the heart is of a beautiful golden yellow. It is very solid, of excellent flavor, and one of the best for either home or market use. Per pkt., 10; oz., 50; $\frac{1}{4}$ lb., \$1.75; lb., \$6.00.

Boston Market. A favorite variety, remarkable for its tender, crisp, and succulent stems, and its peculiarly mild flavor; it is grown almost exclusively by Boston market gardeners. Per pkt., 10 cents; oz., 50 cents; $\frac{1}{4}$ lb., \$1.50; lb., \$5.50.

Crawford's Half Dwarf. An extra fine variety, of fine flavor; a favorite among market gardeners. Per pkt., 10 cents; oz., 50; $\frac{1}{4}$ lb., \$1.75; lb., \$6.00.

Dwarf White French, or Incomparable Dwarf. A superb variety, of dwarf habit, very solid, crisp, and of fine flavor. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Giant White Solid. A good variety, clear white, solid and crisp. Per pkt., 5 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Incomparable Dwarf Crimson. Of very dwarf habit; exceedingly solid and of fine dark crimson color. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Mammoth Red (Laing's). This is the largest grown, attaining, under good cultivation, the extraordinary weight of ten or twelve pounds, and is perfectly solid. Per pkt., 10 cents; oz., 20; $\frac{1}{4}$ lb., 75; lb., \$2.00.

Sandringham White. A much esteemed variety, very solid, crisp, and of fine flavor. Per pkt., 10 cents; oz., 20; $\frac{1}{4}$ lb., 65; lb., \$2.25.

Seymour's Superb White. Esteemed as one of the best; it grows to a large size; very crisp and perfectly solid. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Sutton's Sulham Prize. Without exception the best Pink Celery in cultivation; it is remarkably solid and crisp, and of a fine walnut flavor. Per pkt., 15 cents; oz., 50.

Soup Celery. Excellent for flavoring. 50 cents per lb.



Golden Heart.

CHERVIL.

[*Cherophyllum sativum*, LIN. *Cerfeuil*, FR. *Gartenkerbel*, GER. *Perifolio*, SP.]

One ounce will sow about one hundred feet of drill.

CULTURE.—Sow either in Autumn or Spring, in drills half an inch deep and about one foot apart, covering the seeds to the depth of half an inch. When the plants are large enough, thin out to about eight inches apart. Keep free from weeds, and in very dry weather, water occasionally.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Curled. An aromatic, sweet herb; in appearance like Parsley, largely used in soups and salads. Per pkt., 10 cents; oz., 20; $\frac{1}{4}$ lb., 60; lb., \$2.00.

Tuberous Rooted. When boiled, the flesh is white and of a pleasing nutty flavor. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

CHICORY.

[*Cichorium Intybus*, LIN. *Chicorée*, FR. *Chicorie*, GER. *Achivoria de Cafe*, SP.]

One ounce will sow a bed of four square yards.

CULTURE.—Sow in Spring, in drills half an inch deep, in good mellow soil; and the after-culture is the same as recommended for Carrots. Chicory is cultivated chiefly for its roots, which are dried, and used as a substitute or flavoring ingredient for coffee.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Large-rooted, or Coffee.—The leaves, when blanched, are esteemed as an excellent salad. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 30; lb., \$1.00.

Whitleaf.—Somewhat resembling Chicory, and excellent used either as a salad or boiled. Per pkt., 5 cents; oz., 15; $\frac{1}{4}$ lb., 50; lb., \$1.50.

CORN, SWEET.

[*Zea Mays*, LIN. *Mais*, FR. *Welschkorn*, GER. *Maiz*, SP.]

One quart will plant two hundred hills; one peck will plant one acre in hills. Three bushels will sow one acre broadcast for soiling, or half that quantity in drills.

CULTURE.—Plant for a succession of crops every three weeks, from April to July, in hills three feet apart each way, and six seeds in a hill; cover about half an inch; thin out to three plants.

10 cents per pint, 20 cents per quart, extra, for postage on Corn, of all kinds, when ordered by mail.

Black Sugar.—Sweet, tender, and delicious; the ripe grain is black, but the corn, when in condition for the table, cooks pure white, and is by many considered one of the sweetest varieties grown. Per pkt., 10 cents; qt., 25; peck, \$1.25; bush., \$4.50.

Crosby's Extra Early Sugar, or Boston Market.—The ears are rather short, averaging from twelve to sixteen rows; rich, sugary flavor; very productive. Per pkt., 10 cents; qt., 25; peck, \$1.25; bush., \$4.50.

Darling's Extra Early Sugar.—This is one of the earliest of the tall sweet varieties, ears small, well formed, and very sweet. Per pkt., 10 cents; qt., 25; peck, \$1.25; bush., \$4.50.

Dolly Dutton.—The earliest sweet Corn ever introduced. A very dwarf-growing sort, stalks from three to four feet high. Ears small, averaging from five to six inches in length, kernels of good size, tender, very sweet and delicious. It ripens from seven to ten days earlier than the early Minnesota, and is of much better quality. Per pkt., 10 cents; qt., 50; peck, \$2.00; bush., \$6.00; select ears, 75 cents per doz.; by mail, \$1.00 per doz.

Early Eight-rowed Sweet.—A fine variety; ears very long; cob white; eight-rowed, kernels large, deep and straight in the rows. It is highly recommended. Per pkt., 10 cents; qt., 25; peck, \$1.25; bush., \$4.50.

Early Marblehead.—An extra early variety, producing large ears, well filled with plump kernels of good size and very sweet; of dwarf habit, and, except in earliness, bears a close resemblance to the well known Narragansett. Per pkt., 10 cents; qt., 30; peck, \$2.00; bush., \$6.00; selected ears, 75 cents per doz.; by mail, \$1.00.

Early Minnesota.—An early sort, of dwarf habit, ears small, very productive, and of excellent quality. Per pkt., 10 cents; qt., 25; peck, \$1.25; bush., \$4.50.

Early Narragansett.—One of the earliest of the sweet varieties, small ears, of fine flavor. Per pkt., 10 cents; qt., 25; peck, \$1.25; bush., \$4.50.

Evergreen Sweet.—The latest, and said to be the sweetest variety; will keep green till frost; medium size, white, kernels small, deep, and frequently irregular in the rows. Per pkt., 10 cents; qt., 25; peck, \$1.25; bush., \$4.00.

Extra Early Dwarf Sugar.—Of medium height, ears small, eight-rowed, and corn very sweet. Per pkt., 10 cents; qt., 25; peck, \$1.25; bush., \$4.50.

Mammoth Sweet.—The largest late variety; twelve to sixteen-rowed; cob white, large and well filled; very productive, and fine flavored. Per pkt., 10 cents; qt., 25; peck, \$1.25; bush., \$4.50.

Moore's Early Concord.—A superior variety, either for the market or for family use, matures earlier than any other variety of equal size. Per pkt., 10; qt., 25; peck, \$1.25; bush., \$4.50.

Red Cob Sweet.—Medium early, ears long and well filled; one of the best for main crop. Per pkt., 10 cents; qt., 25; peck, \$1.25; bush., \$4.50.

Triumph.—The earliest of all the large varieties, and unsurpassed for sweetness, delicacy of flavor, and productiveness. Per pkt., 10 cents; qt., 25; peck, \$1.25; bush., \$4.00.

Washington Market, or Egyptian.—This is one of the best of the large varieties, of vigorous habit; ears large, having from twelve to fifteen rows of kernels of good size, and very productive; it is very sweet and tender, and of delicious flavor; invaluable for canning. Per pkt., 10 cents; qt., 30; peck, \$2.00; bush., \$5.00; select ears, 20 cents.

Sweet Fodder.—For soiling or ensilage. \$2.50 per bush.

Early Burlington, or Adams.—A very early variety; cob and kernels white, and in the true variety slightly indented; the ear good size, but rather short. An excellent early table variety. Per pkt., 10 cents; qt., 25; peck, \$1.50; bush., \$5.00.

Tuscarora.—This is a large variety, with flour-white kernels, a little indented; eight-rowed, cob red. It remains a long time fit for boiling. Per pkt., 10 cents; qt., 30; peck, \$1.25; bush., \$4.50.

CORN, FIELD.

10 cents per ear postage must be added for Field Corn ordered by mail.

Blunt's White Prolific.—An early eight-rowed white flint variety, with short, uniform, well-shaped ears. Remarkably prolific, averaging six and eight good-sized ears on each stalk; has been used successfully for ensilage. Per ear, 8 cents; doz., 75; hundred, \$5.00; shelled, per quart, 20 cents; peck, \$1.00; bush., \$3.00.

Compton's Early Field.—A very early and prolific variety, eight to ten feet in height, ears well filled to the end; kernel medium, bright yellow, and of the flinty order. Per ear, 8 cents; doz., 75; hundred, \$5.00; shelled, per quart, 20 cents; peck, \$1.00; bush., \$3.00.

Early Canada, or Canada Yellow.—Ears small; very early; usually ripening in August; admirably adapted for culture in the Northern States. Per ear, 5 cents; doz., 50; hundred, \$2.50; shelled, per quart, 20 cents; peck, \$1.00; bush., \$3.00.

Eight-rowed White Flint.—Ears about ten inches long; kernel white, productive, and of good quality. Per ear, 5 cents; doz., 50 cents; hundred, \$2.50; shelled, per quart, 20 cents; peck, \$1.00; bush., \$3.00.

Eight-rowed Yellow Flint.—Similar to the preceding, except in color. Per ear, 5 cents; doz., 50; hundred, \$2.50; shelled, per quart, 20 cents; peck, \$1.00; bush., \$3.00.

Premium Chester County Mammoth.—This variety gives universal satisfaction, both on account of its large yields, fine quality of grain, and superior fodder. Per ear, 8 cents; doz., 75; hundred, \$5.00; shelled, per quart, 20 cents; peck, \$1.00; bush., \$3.00.

Queen of the Prairie.—A variety of Yellow Dent Corn, and certainly the most prolific and the earliest field corn in cultivation; planted as late as July 4th, it has fully matured by 1st of October. Selected ears, 15 cents; shelled, 3 lbs. by mail, post-paid, \$1.00; peck, \$1.25; bush., \$3.50.

Yellow Dutton.—Highly prized for meal, both on account of its quality and bright, rich color. Per ear, 5 cents; doz., 50; hundred, \$3.50; shelled, per quart, 20 cents; peck, \$1.00; bush., \$3.00.

Parching. ears, per lb., 8 cents; hundred lbs., \$6.00; Southern, for fodder, shelled, per peck, 50 cents. bush., \$1.75.

See colored supplement for description of Rural Dent and Rural Thoroughbred Flint Corn.

CORN SALAD, or FETTICUS.[*Valeriana locusta*, LIN. *Mache*, *salade de ble*, FR. *Ackersalat*, *Lammersalat*, GER. *Macha*, SP.]**One ounce will sow twenty feet square; six pounds will sow one acre.**

CULTURE.—The seeds are thickly sown in September, in shallow drills one-fourth of an inch deep. If the weather be dry, the ground should be compressed with the feet or the back of a spade. It requires no other culture, except to keep the ground clear of weeds. In a high northern climate it requires protection during Winter with a slight covering of straw. If the soil is good and rich, the flavor of this plant will be greatly improved.

If by mail in quantities of 4 ounces and upward, postage must be added at the rate of 16c. per pound.

Corn Salad (*Lamb's Lettuce*).—The well-known common variety. Per pkt., 5 cents; oz., 15; ¼ lb., 30; lb., \$1.00.

Lettuce-leaved.—Leaves large, light green, and of fine quality. Per pkt., 10 cents; oz., 20; ¼ lb., 50; lb., \$1.50.

CRESS, or PEPPERGRASS.[*Lepidium sativum*, LIN. *Cresson*, FR. *Kresse*, GER. *Mastuerzo*, SP.]**One ounce will sow sixteen square feet.**

Extensively used as a small salad. Sow early in Spring, very thickly, in shallow drills. The sowings should be repeated at short intervals, as it soon runs to seed.

If by mail in quantities of 4 ounces and upward, postage must be added at the rate of 16c. per pound.

Broad-leaved, or Common.—Per pkt., 5 cents; oz., 10; ¼ lb., 15; lb., 50.

Extra Curled.—Fine flavor. Per pkt., 5 cents; oz., 10; ¼ lb., 20; lb., 65.

Australian.—This is a superior variety, with fine, delicate green leaves; of a pleasing, piquant flavor. Per pkt., 5 cents; oz., 15; ¼ lb., 35; lb., \$1.00.

CRESS (Water).[*Sisymbrium nasturtium*, LIN. *Cresson de fontaine*, FR. *Brunnenkresse*, GER. *Berro*, SP.]**One ounce will sow one hundred square feet.**

CULTURE.—The plant is cultivated by sowing the seeds by the side of running water, near springs which are not severely frozen in Winter. Transplanting, however, is always surer than sowing, and is, therefore, preferred. This may be done from March till August. The distance between the plants should not generally be less than ten or fifteen inches. Stirring the earth about the roots from time to time is useful; but, having once taken root, no further care is necessary.

If by mail in quantities of 4 ounces and upward, postage must be added at the rate of 16c. per pound.

Water Cress.—The leaves are universally used and eaten as an early and wholesome salad in Spring. Per pkt., 10 cents; oz., 50; ¼ lb., \$1.50; lb., \$5.00.

True Erfurt.—A new, sweet variety. Surpasses the common sort in pleasing delicacy of flavor. Per pkt., 20 cents; oz., 75.

CUCUMBER.[*Cucumis sativus*, LIN. *Concombre*, FR. *Gurke*, GER. *Pepino*, SP.]**One ounce will plant fifty hills; two pounds will plant one acre.**

CULTURE.—Cucumbers succeed best in warm, moist, rich, loamy ground. They should not be planted in the open air until there is a prospect of settled, warm weather. Plant in hills about four feet apart each way. The hills should be previously prepared by mixing thoroughly with the soil in each a shovelful of well-rotted manure. When all danger from insects is past, thin out the plants, leaving three or four of the strongest to each hill. The fruit should be plucked when large enough, whether required for use or not, as, if left to ripen on the vines, it destroys their productiveness.

If by mail in quantities of 4 ounces and upward, postage must be added at the rate of 16c. per pound.

Boston Pickling.—One of the best for pickling; of superior quality, uniform size, and very productive. Per pkt., 5 cents; oz., 15; ¼ lb., 40; lb., \$1.25.

Early Frame.—The standard sort for the table and for pickling; of medium size, straight and handsome. Keeps well as a pickle. Per pkt., 5 cents; oz., 10; ¼ lb., 25; lb., 85.

Early Green Cluster.—A short, prickly variety, bearing in clusters near the root; it is a great bearer, and in earliness comes next to the Early Russian. Per pkt., 5 cents; oz., 10; ¼ lb., 30; lb., \$1.00.

Early Russian.—The earliest in cultivation; it sets in pairs, and the first blossoms usually produce fruit; flavor pleasant and agreeable. Per pkt., 5 cents; oz., 10; ¼ lb., 30; lb., \$1.00.

Extra Long White Spine.—A marked improvement on the well-known White Spine variety, being longer, far more prolific, superior for table use, and equally as good for pickling. Per pkt., 10 cents; oz., 15; ¼ lb., 30; lb., \$1.00.

Early White Spine.—An excellent old variety; retains its fresh appearance for a long time; good for forcing, and a great bearer. Per pkt., 5 cents; oz., 10; ¼ lb., 25; lb., 85.

General Grant.—Highly recommended; solid, and of a most agreeable flavor. Per pkt., 25 cents.

Green Prolific Pickling.—A splendid variety, selected with great care by one of the largest growers of pickling cucumbers in the country; with good culture 200,000 can be grown on one acre. Per pkt., 10 cents; oz., 20; ¼ lb., 40; lb., \$1.25.



GROUP OF CUCUMBERS.

1.—Early Cluster.
2.—Long Green Prickly.

3.—Early Frame.
4.—Early Russian.

5.—White Spine.
6.—General Grant.

CUCUMBER.—*Cont'd.*

Improved Early White Spine, or Arlington.—An improved variety of the White Spine, and a great favorite among marketmen, for forcing on a large scale; of medium size, flesh, crisp and of superior flavor; extensively grown in the Southern States for shipping North in the early part of the season. Per pkt., 10 cents; oz., 15; $\frac{1}{4}$ lb., 30; lb., \$1.00.

Long Green Prickly.—A very excellent variety, a good bearer, about a foot in length, firm and crisp. Per pkt., 5 cents; oz., 15; $\frac{1}{4}$ lb., 30; lb., \$1.00.

Russian Netted.—Exceedingly prolific, and hardiness surpasses all other varieties; of medium size, white flesh, skin covered with a pretty, white network, which imparts to the fruit a peculiar and handsome appearance. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Small Gherkin, or Burr.—Fine for pickles. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Tailby's Hybrid.—A cross between the White Spine and English sort; grows to a large size, and is well worthy the attention of amateurs and market gardeners. Per packet, 10 cents; oz., 30.

White Japan.—A pure white variety, productive and of fine quality, either for the table or for pickles. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00.

ENGLISH AND GERMAN FRAME VARIETIES.

The following are recommended for forcing, and should be sown in small pots early in February, and grown in hot-bed or hot-house. When the seedlings have three leaves, plant out in hills of loose, rich soil in the center of each sash, and maintain a uniform temperature of from 65 to 75 degrees.

Marquis of Lorne.—A new and highly esteemed variety, of handsome form and of fine flavor. Pkt. of 10 seeds, 25 cents.

Rollisson's Telegraph.—Very prolific, early, crisp, and of superior quality. Pkt. of 5 seeds, 25 cents.

Giant of Arnstadt.—Very long, of fine quality, 20 inches. Per pkt., 25 cents.

Glory of Erfurt, New White.—Early, very long, pure snow white. Per pkt., 25 cents.

DANDELION.

[*Leontodon Taraxacum*, LIN. *Pisse-en-lit*, FR. *Läwenzahn*, GER. *Amargon*, SP.]

One ounce will sow one hundred feet of drill.

CULTURE.—The dandelion resembles Endive, and affords one of the earliest, as well as one of the best and most healthful Spring greens. It is also sometimes blanched and used as a salad. The roots, when dried and roasted, are often employed as a substitute for coffee. The seeds may be sown in May, in drills ten inches apart; thin out the young plants about three inches apart; cultivate during the season, and in the following Spring the plants will be fit for the table.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Common Variety.—Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

Improved Large Leaved.—Per pkt., 20 cents; oz., 75 cents.

EGG-PLANT.

[*Solanum melongena*, LIN. *Aubergine*, FR. *Eierpflanze*, GER. *Berengena*, SP.]**One ounce will produce about one thousand plants.**

CULTURE.—Sow thickly on a hot-bed for early crops, or very early in the Spring, in a warm, sheltered, dry situation in open ground, where they can be protected by hand-glasses. When the plants are three or four inches high, and the warm weather has set in, transplant them into well-enriched ground, about thirty inches apart, each way. Draw earth to the plants as they advance.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.



N. Y. Improved Purple Egg Plant.

Early Long Purple.—Does well in almost any section of the Northern States, and, if started early, will perfect its fruit in the Canadas. Per pkt, 5 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Guadaloupe Striped.—Fruit nearly ovoid, skin white and variegated with purple; very ornamental. Per pkt., 10 cents; oz., 50.

New-York Improved Purple.—An improved variety of the Round Purple, of deeper color, and of larger size, and of fine quality; a superior market variety. Per pkt., 10 cents; oz., 60; $\frac{1}{4}$ lb., \$2.00; lb., \$7.00.

Pekin New Black.—A distinct early variety from China; very prolific; fruit globular and almost black; fine grained and delicately flavored. Per pkt., 10 cents; oz., 60; $\frac{1}{4}$ lb., \$2.00; lb., \$7.00.

Scarlet Fruited.—Highly ornamental; fruit about the size of a hen's egg, of a whitish color, which changes to a yellow, and afterward to a brilliant scarlet; not edible. Per pkt., 10 cents; oz., 50.

Tomato-shaped.—Color bright red; very ornamental; not edible. Pkt., 10 cents; oz., 75.

White Fruited.—Fruit milk white, egg-shaped; grown principally for ornament. Per pkt., 10 cents; oz., 50.

ENDIVE.

[*Cichorium endivia*, LIN. *Chicoree-endive*, FR. *Endiven*, GER. *Endivia*, SP.]**One ounce will sow sixty square feet.**

CULTURE.—Rather moist, well pulverized, rich soil is best adapted for this crop. For early use, sow in May, scattering the seed thinly and covering it lightly, and for succession every two or three weeks until midsummer. When large enough, thin out the plants to eight or nine inches apart, and in dry seasons water freely, to keep the plants in a quick-growing and consequently in a crisp and brittle state.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Broad-leaved Batavian.—This is the *Chicoree scarolle* of the French, and is chiefly used in soups. Per pkt., 10 cents; oz., 20; $\frac{1}{4}$ lb., 60; lb., \$2.25.

French Moss.—Beautifully curled, and when well developed appears like a tuft of moss. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

Green Curled.—The hardiest of all, with beautifully curled dark green leaves, tender and crisp. Per pkt., 5 cents; oz., 20; $\frac{1}{4}$ lb., 60; lb., \$2.00.

White Curled.—Resembles the Green, except in color and hardness. Per pkt., 5 cents; oz., 20; $\frac{1}{4}$ lb., 60; lb., \$2.00.

GARLIC.

[*Allium sativum*, LIN. *Ail*, FR. *Knoblauch*, GER. *Ajo*, SP.]

CULTURE.—They succeed best in light, rich soil. Plant in April or May, one inch deep, in drills fourteen inches apart, and five or six inches apart in the rows. Keep the soil loose and free from weeds, and when fully grown, which will be about the end of July, the bulbs may be harvested like the onion.

Garlic Sets. Per lb., 40 cents. If by mail, 56 cents.

KOHL-RABI.

[*Brassica caulorapa*, LIN. *Chou-rave*, FR. *Kohlraabi*, GER. *Colinabo*, SP.]**One ounce will sow a drill of about two hundred feet.**

CULTURE.—The seeds of this plant may be sown at the same period as the Swedish or Ruta-baga Turnip, and may be cultivated in the same way, remembering to leave the chief part of the stems uncovered by the earth. The bulbs keep sound and nutritious until late in Spring.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Early Purple Vienna. Above ground; fine early sort, excellent table variety. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Early White Vienna. Above ground; similar to preceding, except in color. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Late Purple Giant. Grows to an enormous size;

very productive and of extra fine quality. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.00.

Large, White, or Green. Excellent for farm culture. Per pkt., 5 cents; oz., 20; $\frac{1}{4}$ lb., 60; lb., \$2.00.

Late White Giant. Similar to above, except in color. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.00.

LEEK.

[*Allium porrum*, LIN. *Poircau*, FR. *Lauch*, GER. *Puerro*, SP.]

One ounce will sow a drill of about one hundred feet.

CULTURE.—The Leek is very hardy, and easily cultivated; it succeeds best in a light but well-enriched soil. Sow as early in Spring as practicable, in drills one inch deep and one foot apart. When six or eight inches high, they may be transplanted in rows ten inches apart each way, as deep as possible, that the neck being covered, may be blanched. If fine Leeks are desired, the ground can hardly be too rich.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Broad London, or Flag.—A large and strong plant, with broad leaves growing only on two sides, like the Flag. Per pkt., 10 cents; oz., 15; $\frac{1}{4}$ lb., 50; lb., \$1.50.

Extra Large Carentan.—Very hardy, of extraordinary size, much larger than any other variety, and of fine quality. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Large American Flag.—A favorite variety with the market gardeners; of strong and vigorous growth. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Large Rouen.—Leaves dark green, broad and thick; largely grown in the vicinity of Paris; it is also the best for forcing. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

LETTUCE.

[*Lactuca sativa*, LIN. *Laitue*, FR. *Lattich*, GER. *Lechuga*, SP.]

One ounce will sow one hundred square feet, or one hundred and twenty feet of drill.

CULTURE.—For an early crop sow under glass in February, and transplant on a well-prepared bed, in some sheltered corner, in April. For successional crops, sow in beds of well-pulverized soil in March, and at intervals of about a fortnight until the end of May. When sown for cutting young, the seed may be put in rather thick, in rows or broadcast, but to have finer heads it should be sown thinly in rows, and transplanted a foot apart into the richest soil. The hardy varieties may be sown in September, in a dry, sheltered situation, and if slightly protected will stand the Winter well, and give a good crop in Spring; or they may be transplanted in cold frames, where they will head during the Winter and early Spring.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

All the Year Round.—A valuable variety, hardy, crisp, and compact, with small, close heads. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

American Gathering.—A distinct variety, the tips of the leaves being marked with red; very solid, exceedingly crisp, and of excellent flavor. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Bath Cos.—A superior variety, of enormous size, crisp and fine flavored; excellent for either Spring or Autumn sowing. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Boston Curled.—Of great beauty and superior quality; the fine, elegant frilling of the leaves renders it highly ornamental. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Black-Seeded Simpson.—Nearly double the size of the ordinary Curled Simpson; stands the Summer well. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.75.

Boston Market.—An improved variety of the Tennis Ball; one of the best for forcing. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Brown Dutch.—Generally sown in Autumn, as it will endure the Winter with slight protection. Per pkt., 5 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.00.

Brown Winter Cabbage.—A hardy variety that stands Winter well. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Drumhead, or Malta.—One of the best Summer Lettuces; large, crisp, compact. Per pkt., 5 cents; oz., 15; $\frac{1}{4}$ lb., 40; lb., \$1.30.

Early Butter Salad.—Tender and of delicate flavor. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Early Curled Silesia.—An early variety of strong growth; leaves large, light yellow, wrinkled. Per pkt., 5 cents; oz., 15; $\frac{1}{4}$ lb., 50; lb., \$1.50.

Early Curled Simpson.—An improved variety of the preceding, very early, and excellent for forcing; is largely grown by market gardeners. Per pkt., 10 cents; oz., 20; $\frac{1}{4}$ lb., 75; lb., \$2.00.

Early Prize Head.—An early variety of mammoth size; tender and crisp; superb flavor; very hardy. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Green Fringed.—A distinct variety, with the edges beautifully fringed; inner part of the leaves well blanched; remains fit for use nearly all Summer. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Hammersmith Hardy Green.—The best for Autumn sowing to stand Winter. Per pkt., 5 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Hanson Lettuce.—Heads large, solid, tender, crisp, and of fine flavor; color beautiful green outside and white within; stands the Summer heat well; one of the very best in cultivation. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Large India.—One of the largest varieties; forms large, round heads, which cut white, brittle, and almost transparent. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Large Winter Cabbage.—Larger than Hammersmith, whiter in color, and heading more freely; a valuable Winter Lettuce. Per pkt., 15 cents; oz., 50; $\frac{1}{4}$ lb., \$1.50; lb., \$4.00.

Paris Green Cos.—One of the best of the Cos varieties; long, narrow, dark green leaves; stands heat well. It should be tied up to blanch a week or ten days before cutting. Per pkt., 5 cents; oz., 20; $\frac{1}{4}$ lb., 60; lb., \$1.75.

Paris White Cos.—Similar to the above, with leaves of lighter color. Per pkt., 5 cents; oz., 20; $\frac{1}{4}$ lb., 60; lb., \$1.75.

Perpetual.—This is one of the most tender and best flavored lettuces grown; strictly speaking, it does not head, but forms large, compact bushes, that remain in splendid condition for a long time. Per pkt., 15 cents.

Perpignan.—A German variety, highly recommended; stands the Summer heat well; does not run to seed so readily as most other varieties. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Royal Summer Cabbage.—Well formed, good size, close, and a little flattened; it stands the heat well. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Salamander.—An excellent Summer variety, forming good-sized heads that stand the drought and heat without injury longer than any other sort. Per pkt., 15 cents; oz., 40; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

Satisfaction.—An English variety, large, compact, solid, and crisp; stands the heat well. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Tennis Ball.—Well-formed heads, hardy and crisp; of excellent quality; one of the earliest of the heading varieties. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.



1.—Simpson.
2.—Royal Summer Cabbage.
3.—Boston Curled.
4.—Silesia.

5.—Drumhead, or Malta.
6.—Large India.
7.—White Paris Cos.
8.—Bath Cos.

MARTYNIA.

One ounce will plant about two hundred hills.

CULTURE.—The pods of this plant, if picked when green and tender, make excellent pickles. For very early plants, sow in March in a hot-bed, and give necessary protection until the weather is sufficiently mild to allow transplanting out of doors. Sow in May, in the open ground, in hills about three feet apart, allowing three or four seeds to each hill. When well started, thin out, leaving one plant to a hill.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Martynia proboscidea.—Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

MELON, MUSK.

[*Cucumis melo*, LIN. Melon, FR. Melone, GER. Melon Muscatel, SP.]

One ounce will plant about eighty hills.

CULTURE.—A rich, deep, sandy loam, well worked, and highly manured with old rotten compost, is of the first importance. Plant, when all danger of frost is over, in hills five or six feet apart each way; scatter a dozen seeds to a hill, and after they are out of danger from bugs, thin to three or four plants. When they have four or five rough leaves, pinch off the end of the main shoot, which will cause the lateral branches to put forth sooner. This will strengthen the growth of the vines, and the fruit will come earlier to maturity.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.



Bay View Melon.

Bay View Melon.—The largest, most prolific, best flavored, and finest cantaloupe in cultivation; luscious and sweet and very hardy; picked green it will ripen up finely, and carry safely for a long distance. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Cassaba.—Of extraordinary size and delicious flavor. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 80.

Christiana.—An excellent yellow-fleshed variety, ten days earlier than Nutmeg, of fine flavor and very early. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 50; lb., \$1.25.



Green Citron Melon.

Green Citron.—Handsome fruit, roughly netted all over; flesh thick, green, melting, and very sweet. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 80.

Green Climbing Melon.—A netted variety that grows best trained upon a trellis or fence; productive and of exquisite flavor. Per pkt., 10 cents.

Hackensack.—A variety of the Green Citron Musk-melon; grows to a large size; very productive and of exquisite flavor. Per pkt., 10 cents; oz., 20; $\frac{1}{4}$ lb., 50; lb., \$1.50.

Jenny Lind.—Small size, delicious flavor; very early. Per pkt., 5 cents; oz., 15; $\frac{1}{4}$ lb., 30; lb., \$1.00.

Large Musk.—This is the largest variety; long, oval shape, deeply ribbed; flesh thick, light salmon-colored, early and productive. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 80.

Large Yellow Cantaloupe.—Of good size, netted and slightly ribbed; flesh salmon-colored, thick and musk-flavored. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 80.

Montreal Green Nutmeg.—Nearly round, flattened at the ends; deep, regular ribs; skin densely netted; flesh thick, and of delicious flavor. Per pkt., 15 cents; oz., 50; $\frac{1}{4}$ lb., \$1.50; lb., \$6.00.

Netted Gem.—In form a perfect globe, skin green, ribbed and netted; flesh light green, melting, and of luscious flavor; early, prolific, and keeps well, the most profitable small musk-melon that can be raised. Pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.



New Surprise Melon.

New Surprise Melon.—This melon has a thin, cream-colored skin, thickly netted; flesh deep salmon-color, of exquisite flavor and very prolific. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Nutmeg.—Of large size; flesh green, rich and sugary. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 80.

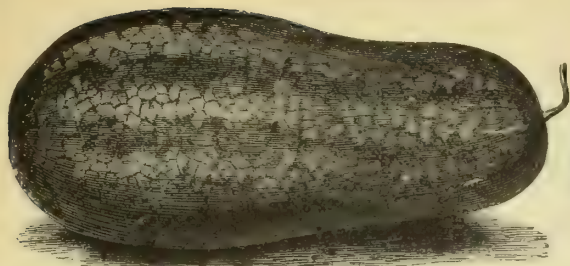
Pine-Apple.—Dark green; of medium size; rough netted; flesh thick, firm, and sweet. Per pkt., 5 cents; oz., 15; $\frac{1}{4}$ lb., 30; lb., \$1.00.

Sill's Hybrid.—Medium size; salmon-colored flesh; productive, sweet, and of delicious flavor. Per pkt., 5 cents; oz., 20; $\frac{1}{4}$ lb., 50; lb., \$1.25.

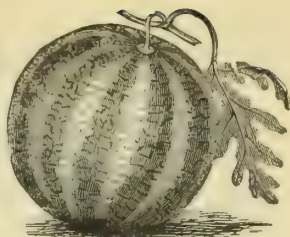
Skillman's Fine Netted.—A small, very early, rough netted variety; flesh green, thick, firm, sugary, and of delicious flavor. Per pkt., 5 cents; oz., 15; $\frac{1}{4}$ lb., 30; lb., \$1.00.

Ward's Nectar.—A green-fleshed variety, of fine quality, sweet, rich, and delicious. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 50; lb., \$1.50.

White Japan.—Very early, medium size; flesh thick and remarkably sweet. Per pkt., 5 cents; oz., 20; $\frac{1}{4}$ lb., 50; lb., \$1.25.



Mountain Sweet Water-melon.



Citron Water-melon.

MELON, WATER.

[*Cucurbita citrullus*, LIN. Melon d'eau, FR. Wassermelone, GER. Zandia, SP.]

One ounce will plant about sixty hills.

CULTURE.—The general directions given under the head of Musk-Melon are suitable for Water-Melons. The plants will fruit better by occasionally pinching the leading shoots off the vines.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Apple Pie Melon.—When stewed and made into pies, it is an excellent substitute for apples; keeps till May. Directions for cooking accompany each packet. Per pkt., 10 cents; oz., 20; $\frac{1}{4}$ lb., 50; lb., \$1.50.

Black Spanish.—Round, dark green, scarlet flesh, thin rind, rich sugary flavor. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 80.

Citron.—For preserving; striped and marbled with light green; flesh white and solid. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 30; lb., \$1.00.

Cuban Queen.—Beautifully striped, dark and light green; vigorous in growth; flesh bright red, solid, luscious, crisp, and sugary, and in delicious flavor unsurpassed; an excellent keeper, and, although the rind is unusually thin, bears transit well. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Excelsior.—Resembles Mountain Sprout, being beautifully marked with bright green stripes; flesh bright red, delicate and sweet; in size one of the largest. Per pkt., 5 cents; oz., 15; $\frac{1}{4}$ lb., 50; lb., \$1.00.

Gypsy.—A superior variety; oblong, light green, mottled and striped with white; flesh scarlet, solid, and of delicious flavor. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 80.

Ice Cream.—Medium size, nearly round; color pale green; thin rind; flesh solid, scarlet, crisp, and of good flavor. Per pkt., 5 cents; oz., 15; $\frac{1}{4}$ lb., 35; lb., \$1.00.

Iceing, or Ice-Rind.—Round; very solid; thin rind, and of a rich, luscious, sugary flavor. Per pkt., 5 cents; oz., 15; $\frac{1}{4}$ lb., 40; lb., \$1.25.

Mountain Sprout, or Long Carolina.—A large, long, striped variety, with bright scarlet flesh, firm and sweet. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 80.

Mountain Sweet.—One of the best for general culture; color dark green; rind thin; flesh scarlet, solid; very sweet and delicious. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 80.

Odella.—Round, of large size, light green skin, bright red flesh of fine flavor; early and prolific. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 80.

Orange.—An oval, red-fleshed variety, of medium quality; peculiar for the division of its flesh from the rind, which may be taken off like the rind of an orange, by a little separation with a knife. Per pkt., 10 cents; oz., 20; $\frac{1}{4}$ lb., 40; lb., \$1.25.

Persian.—Pale green, with dark stripes; crimson flesh, of fine texture and delicious flavor; can be taken off the vine to ripen and will keep till Winter. Per pkt., 15 cents; oz., 50.

Early Oval (Phinney's).—Bright red flesh, sweet, tender, and well-flavored; fine market variety. Per pkt., 10 cents; oz., 15; $\frac{1}{4}$ lb., 30; lb., \$1.00.

Russian American.—Solid crimson flesh, of delicious crispness and sweetness of flavor. Per pkt., 15 cents; oz., 50.

Scaly Bark.—A very large, oblong variety, with a dark, tough rind, which has a peculiar scaly appearance, crimson flesh, very solid, remarkably sweet and free from fiber. Per pkt., 15 cents; oz., 50; $\frac{1}{4}$ lb., \$1.75; lb., \$5.00.

Southern Rattlesnake.—A popular variety, on account of its fine shipping qualities; of oblong shape; light green color, beautifully striped; remarkably thin rind; scarlet flesh, solid, and deliciously sweet. Per pkt., 10 cents; oz., 15; $\frac{1}{4}$ lb., 50; lb., \$1.50.

Vick's Early.—A long, smooth, rather small variety, highly prized for its earliness; size medium, flesh bright pink, sweet, and solid. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 30; lb., \$1.00.

MUSHROOM SPAWN.

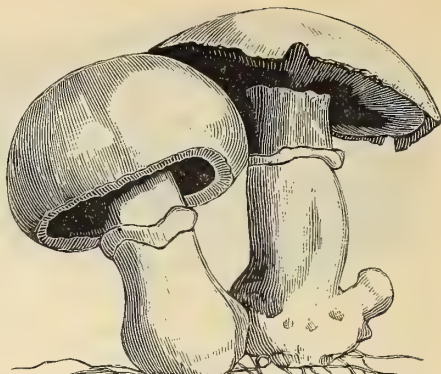
Ten pounds will spawn about ten feet square.

CULTURE.—Any one in possession of an outhouse or cellar, and who can command a temperature of from 50° to 60°, may at any time secure a good supply of mushrooms. The best method is to procure (fresh from the stable) as much short manure as is necessary to make a bed from fourteen to eighteen inches deep, and any size the house can conveniently hold; throw the manure into a heap for a few days, until it becomes heated, and the greater part of the moisture is thrown off; then spread it out for a day or two until dry and quite cool; after which, put it again in a heap, and allow it to remain five or six days; it will then be fit to make a bed, which must not be deeper than stated above. As soon as the heat is about 74°, the bed is ready to receive the spawn. It requires to be broken in pieces about the size of a large walnut, and placed in the manure about two inches below the surface, and six inches apart. The bed should then be covered about two inches deep with fine light soil, and pressed down evenly. If the temperature is right the mushrooms will make their appearance in from four to six weeks, according to the season. After the bed has been spawned do not water unless quite dry, and, when necessary, use lukewarm water only. Price, in bricks, 15 cents per lb.; 8 lbs. for \$1.00. French, loose in boxes of 2 lbs., \$1.00.

If by mail add sixteen cents per pound for either sort.



Martynia. (See page 84.)



Mushrooms. (See page 85.)

MUSTARD.

[*Sinapis*, LIN. *Moutarde*, FR. *Seuf*, GER. *Mostaza*, SP.]

One ounce will sow about eighty feet of drill.

CULTURE.—For early salads, sow on a slight hot-bed in March, and for a general crop at intervals through the Spring, in rows six inches apart, and rather thick in the rows; cut it when about an inch or two high. If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Chinese.—Leaves twice the size of the ordinary White Mustard, of a deeper green, flavor pleasantly sweet and pungent, and preferable as a salad. Per oz., 10 cents; $\frac{1}{4}$ lb., 20; lb., 75.

Black or Brown.—For culinary use. Per oz., 10 cents; $\frac{1}{4}$ lb., 15; lb., 40.

White or Yellow.—For salads or medicinal purposes. Per oz., 10 cents; $\frac{1}{4}$ lb., 15; lb., 40.

NASTURTIUM, or INDIAN CRESS.

[*Tropæolum majus*, LIN. *Capucine grande*, FR. *Kresse Indianische*, GER. *Marannella*, SP.]

One ounce will sow about twenty feet of drill.

CULTURE.—Sow early in the Spring in drills one inch deep, the Tall variety by the side of a fence, trellis-work, or some other support, to climb upon, and the Dwarf to form borders or edgings. They will thrive in almost any situation, but are most productive in a light soil. The seeds, while young and succulent, are pickled and used as capers.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Tall.—Per pkt., 5 cents; oz., 15; $\frac{1}{4}$ lb., 40; lb., \$1.25.

Dwarf.—Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

OKRA, or GOMBO.

[*Hibiscus esculentus*, LIN. *Gombo*, FR. *Esbarre Hibiscus*, GER. *Quimbombo*, SP.]

One ounce will plant one hundred hills.

CULTURE.—In mild climates plant late in the Spring, after the ground has become warm, in hills about two and a half feet apart, and thin to three plants in a hill. Hoe often, and earth up a little to support the stems. The pods should be gathered while quite young and tender. Okra is easily preserved for Winter use by slicing the pods into narrow rings, and drying them upon strings hung up and exposed to the air. The ripe seeds are sometimes used as a substitute for coffee.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

New Improved Dwarf.—Long slender pods, very productive, and only fourteen inches high. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Dwarf Green.—Small, green, smooth pods. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 75.

Long Green.—Long ribbed pods. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 75.

ORACHE, or MOUNTAIN SPINACH.

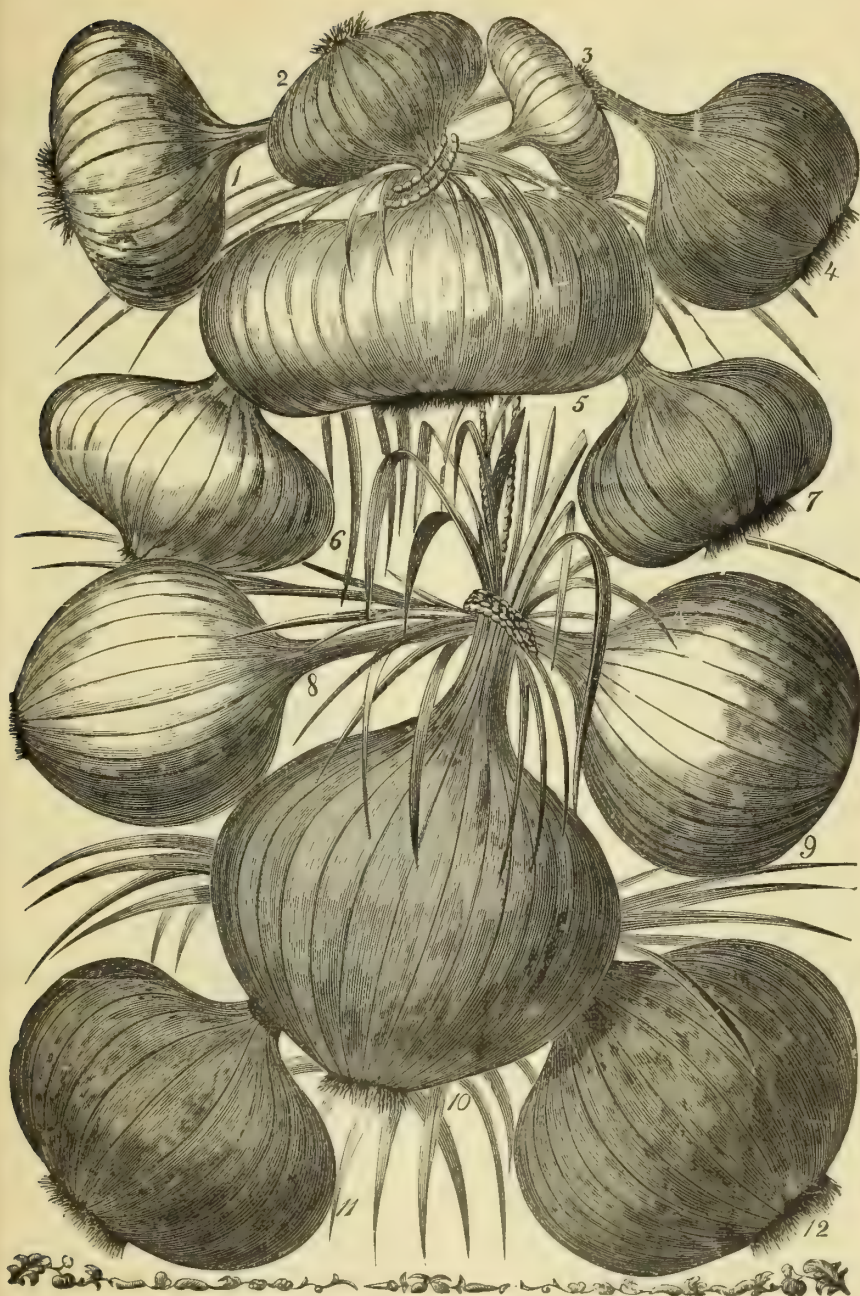
[*Atriplex hortensis*, LIN. *Aroche*, FR. *Garten melde*, GER. *Espinaca*, SP.]

One ounce will sow one hundred feet of drill.

CULTURE.—The seed may be sown about the end of September, and again in the Spring, for succession, in drills, six inches apart. When the seedlings are about an inch high, thin to six inches apart; and those removed may be planted out at the same distance in a similar situation, and watered occasionally, if needed, until established. The leaves must be gathered for use while young, otherwise they will be worthless and stringy. The leaves of the Orache are cooked and eaten in the same manner as Spinach, to which it is preferred by many persons.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

White.—Per pkt., 10 cents; oz., 15; $\frac{1}{4}$ lb., 50; lb., \$1.50.



GROUP OF ONIONS, SHOWING THEIR PROPORTIONATE SIZE.

1.—White Portugal.
2.—Early Red Wethersfield.

3.—Early Cracker.
4.—Yellow Danvers.
5.—Giant White Tripoli.

6.—Yellow Dutch, or Strasburg.

7.—New Queen.

8.—Yellow Globe.

9.—White Globe.

10.—New Giant Rocca.

11.—Large Red Wethersfield.

12.—Red Globe.

ONIONS.

[*Allium cepa*, LIN. Oignon, FR. Zwiebel, GER. Cebolla, SP.]

One ounce will sow one hundred feet of drill.

CULTURE.—A rather strong, deep, and rich loamy soil is most suitable for this crop. The ground should be heavily dressed with rich, well-rotted manure, trenched deeply, and ridged up early in Autumn, and if the soil is of a light, sandy nature, cow manure will be most suitable. The main crop should be sown as early as the ground may be in working condition, and a favorable opportunity for putting in the seed should not be suffered to pass. Sow the seeds thinly and regularly, and cover with the soil displaced in making the drills, or where this is too lumpy, with other fine soil. They succeed equally well any number of years on the same ground, if kept highly enriched with fine yard manure, spread on every Spring and turned in with a light furrow. A top-dressing of wood ashes, applied after the second weeding, is very beneficial to this crop, as will soon be observed by the dark and healthy change of color given to the plants.

Onion sets and tops are placed on the surface in shallow twelve-inch drills, about four inches apart, slightly covered. Potato onions should be planted in April. Select the large bulbs, place them ten inches apart, with the crown of the bulbs just below the surface of the ground.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Extra Early Red.—Smaller, and more flat-shaped than Large Red; close-grained; keeps well. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Early Red.—About ten days earlier than the large red; productive, of mild flavor, and a good keeper. Per pkt., 5 cents; oz., 20; $\frac{1}{4}$ lb., 60; lb., \$2.00.

Wethersfield Large Red.—Large size, deep red, thick, approaching to round shape, fine-grained, pleasant-flavored, and productive; keeps well. Per pkt., 5 cents; oz., 15; $\frac{1}{4}$ lb., 50; lb., \$1.75.

Red Globe.—Distinct in form, being nearly globular; very productive. Per pkt., 5 cents; oz., 20; $\frac{1}{4}$ lb., 60; lb., \$2.00.

Danvers Yellow.—A heavy, straw-colored onion, mild-flavored, and yields abundantly; ripens early and keeps well. Per pkt., 5 cents; oz., 15; $\frac{1}{4}$ lb., 50; lb., \$1.50.

Yellow Globe Danvers.—Distinct in form, being nearly globular; of a beautiful silvery yellow color; mild flavor and good keeper. Per pkt., 5 cents; oz., 20; $\frac{1}{4}$ lb., 60; lb., \$2.00.

Southport Yellow Globe.—Form nearly ovoid, regular and symmetrical; mild and pleasant flavor keeps well. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Yellow Dutch.—The common yellow variety; is rather flat-shaped, and excellent flavored. Per pkt., 5 cents; oz., 15; $\frac{1}{4}$ lb., 50; lb., \$1.50.

White Portugal.—A mild, pleasant onion, which grows to fair size and handsome shape. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 80; lb., \$3.00.

White Globe.—Form nearly ovoid, regular and symmetrical, mild and pleasant flavor; keeps well. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

Bermuda.—This is the well-known large Onion of commerce, the demand for which is very great.

When well cultivated, bulbs grown in this country are equal in size to imported ones. The seed we offer is genuine and is the product of large, selected bulbs. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.25.

NEW ITALIAN ONIONS.

Giant White Italian Tripoli.—Grows to an enormous size, and like all of this class, is of a mild and pleasant flavor. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 80; lb., \$3.00.

Large Italian Red Tripoli.—Bulbs of this variety were exhibited in England weighing two and one half pounds; flavor is exceedingly mild and pleasant. Pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 80; lb., \$3.00.

Marzago.—Silvery white skin, and said to be the earliest of all. If sown in Autumn in warm climates, they will be ready for use in March. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 80; lb., \$3.00.

New Giant Rocca of Naples.—Light brown skin; delicate flavor, and of globular form. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 80; lb., \$3.00.

New Queen.—A silver-skinned Onion, remarkable for its keeping qualities and rapidity of growth. Very mild flavored, and excellent for pickling. Per pkt., 10 cents; oz., 35; $\frac{1}{4}$ lb., \$1.25; lb., \$4.50.

Nocera.—A very early, flat-shaped, silvery-skinned variety, similar to the New Queen; of excellent flavor; splendid for pickling, and keeps well. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.25.

When the following are ordered by mail, 20 cents per quart must be added for postage.

(Prices Variable.)

Top, or Button Onions.—Per qt., 35c.; peck, \$2.25.

Potato Onions.—Per qt., 35c.; peck, \$2.25.

Onion Sets, Yellow or Red.—Qt., 40c.; peck, \$2.50.

Onion Sets, White.—Per qt., 45c.; peck, \$2.50.

PARSLEY.

[*Apium petroselinum*, LIN. Persil, FR. Petersilie, GER. Perejil, SP.]

One ounce will sow one hundred and fifty feet of drill.

CULTURE.—A rich and tolerably deep soil is best for this crop. Soak the seeds a few hours in tepid water, and sow early in the Spring, in drills a foot apart; thin out the plants to three or four inches apart; a single row forms a very good edging for beds or walks. The seed germinates very slowly, and sometimes two or three weeks will elapse before the plants make their appearance. It often fails entirely in dry weather. To have Parsley green during Winter, remove some plants into a light cellar, and treat them as in open culture in Autumn.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Curled, or Double.—Dwarf and tender; leaves beautifully crimped and curled; used principally as a garnish for the table. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 80.

Extra Moss Curled.—Leaves beautifully curled, extra fine for garnishing. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 30; lb., 1.00.

Hamburg, or Rooted.—The roots are used for flavoring soups, etc. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 30; lb., \$1.00.

New Fern-leaved.—Exquisite in form, and admirably suited for mixing with dwarf ornamental foliage plants in the flower garden; also for table decoration. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Plain Parsley.—Hardier, and the leaves are longer and of a darker green than the Curled; better flavored for seasoning. Valuable for feeding sheep. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 20; lb., 60.

PARSNIP.

[*Pastinaca sativa*, LIN. *Panais*, FR. *Pastinake*, GER. *Chirivia*, SP.]

One ounce will sow 200 feet of drill; five pounds required for one acre.

CULTURE.—Parsnips succeed best in a deep, free, rich soil; that having been heavily manured for previous crop should be selected, and if manure must be used for this crop let it be well decomposed, or use guano. Sow in drills, fifteen to eighteen inches apart, as early in Spring as the ground can be found in fair working condition. When the plants are about two or three inches high, thin them out, leaving six or eight inches between them. The roots are hardy, and improve by leaving in the ground through the Winter, taking only enough in the cellar to last during cold weather. They are very valuable for feeding cattle, as well as for the table.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Long Smooth, or Hollow-Crowned.—Roots very long, white, smooth, free from side roots, tender, sugary, and most excellent flavored; the best variety for a general crop. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 75.

Short Round French.—The earliest variety. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 20; lb., 60.

Student.—A half-long variety, of delicious flavor. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 20; lb., 60.

PEAS.

[*Pisum sativum*, LIN. *Pois*, FR. *Erbse*, GER. *Chicaros*, SP.]

One quart will plant about 125 feet of drill; from one to two bushels per acre.

CULTURE.—For an early crop plant in the Spring, as soon as the ground can be worked, in a warm, dry situation, and cover about three inches. The ground must be manured the year previous, or the Peas will be apt to grow too much to straw. If this has not been done, use thoroughly decomposed manure just before planting. They are usually planted in double rows, from three to four feet apart, and, those requiring it, bushed when about six inches high. The large and later sorts do better at a greater distance apart, leaving a broad space for planting low-growing vegetables between. They should be kept clean, and earthed two or three times during growth. In dry weather the Peas should be soaked five or six hours before planting, and, if the ground is very dry, should be watered in the drills.

15c. per pint; 25c. per quart, extra for postage on Peas if sent by mail.

Bliss's American Racer.—After trial, in almost every section of the country, this Pea has proved very early, exceedingly productive, and in general good quality surpasses all other tall-growing, early varieties. For full description, see colored supplement. Per pkt. of $\frac{1}{4}$ pt., 20 cents; pint, 65; qt., \$1.25, by mail, post-paid.

Alpha.—One of the earliest wrinkled Peas; of exquisite flavor, very prolific; pods, well filled and of good size; 3 ft. Per pkt., 10 cents; qt., 50; peck, \$2.50; bush., \$9.00.

Carter's First Crop.—Very early, productive, good flavor; the haulm being literally covered with pods; 2 $\frac{1}{2}$ ft. Per pkt., 10 cents; qt., 25; peck, \$1.75; bush., \$6.00.

Early Dan O'Rourke, Improved.—One of the earliest, and a popular market variety; pods well filled; Peas of good size and quality; 2 $\frac{1}{2}$ ft. Per pkt., 10 cents; qt., 25; peck, \$1.75; bush., \$6.00.

Early Kent.—An early, popular market variety, productive and well flavored; 2 $\frac{1}{2}$ ft. Per pkt., 10 cents; qt., 25; peck, \$1.50; bush., \$5.00.

Extra Early Premium Gem.—Pods long and of a dark green color; very prolific, and one of the earliest; 1 $\frac{1}{2}$ ft. Per pkt., 10 cents; qt., 50; peck, \$2.00; bush., \$7.00.

First and Best.—Very early, of excellent flavor, and ripens with great uniformity; 2 $\frac{1}{2}$ ft. Per pkt., 10 cents; qt., 30; peck, \$2.00; bush., \$6.00.

Kentish Invicta.—A round blue variety, early, and of superior flavor; 2 ft. Per pkt., 10 cents; qt., 40; peck, \$2.25; bush., \$8.00.

Philadelphia Extra Early.—Favorite market variety in the Southern States; very early; 2 $\frac{1}{2}$ ft. Per pkt., 10 cents; qt., 25; peck, \$1.75; bush., \$6.00.

EARLY PEAS.

Day's Early Sunrise.—This is a white marrow, very large for an early Pea, and of fine flavor; while in constitution and habit it is hardy and robust. 3 ft. Per pkt., 10 cents; qt., 30; peck, \$1.75; bush., \$7.00.

McLean's Advancer.—A dwarf green, wrinkled Marrow, of fine flavor, long pods, well filled up, very prolific; nearly as early as Dan O'Rourke; 2 $\frac{1}{2}$ ft. Per pkt., 10 cents; qt., 40; peck, \$2.25; bush., \$8.00.



Bliss's American Wonder.

EXTRA EARLY.

Bliss's American Wonder.—This variety stands unrivaled in point of productiveness, flavor, and quality, and is, without exception, the earliest wrinkled Pea in cultivation. It is of dwarf and robust habit, growing from ten to fifteen inches high, and produces a profusion of good-sized and well-filled pods of the finest flavor. Per pkt., 10 cents; half-pint, 25; pint, 45; quart, 80; by mail, post-paid. When delivered at our store, or sent by express at purchaser's expense, pint, 35 cents; quart, 60; half-peck, \$2.50; peck, \$4.50. Prices for larger quantities on application.

PEAS.—Cont'd.

McLean's Blue Peter.—It is well described as a "Blue Tom Thumb," but possessing a more robust habit; very prolific and of fine flavor. Per pkt., 10 cents; qt., 40; peck, \$2.00; bush., \$7.00.

McLean's Little Gem.—A dwarf prolific, green wrinkled Marrow; very early. $\frac{3}{4}$ ft. Per pkt., 10 cents; qt., 30; peck, \$2.00; bush., \$7.00.

Telegraph.—This is an extraordinary acquisition, the Peas often being so close together as to appear to be forming a double row in the pod; robust in habit, bearing immense pods; a great bearer and of fine flavor; 5 ft. Per pkt., 15 cents; pint, 35; qt., 60; peck, \$4.00; bush., \$12.00.

Telephone.—Selected from Telegraph, from which it differs in the seeds being wrinkled, whilst the quality is superior. It is an extraordinary cropper, bearing immense semi-double pods full of large peas of exquisite flavor; 5 ft. Per pkt., 15 cents; pint, 35; qt., 60; peck, \$4.00; bush., \$12.00.

Tom Thumb.—Dwarf, stout and branching; early, of excellent quality, yields abundantly; it requires no sticks; $\frac{3}{4}$ ft. Per pkt., 10 cents; qt., 30; peck, \$2.00; bush., \$7.00.

William I.—Recently introduced; early, and one of the best green marrows; 3 ft. Per pkt., 10 cents; qt., 40; peck, \$3.00; bush., \$10.00.

GENERAL CROP.

British Queen.—Strong and vigorous, superior quality; continues long in bearing; does not mellow in Summer; 5 ft. Per pkt., 10 cents; qt., 50; peck, \$3.00; bush., \$10.00.

Challenger.—This is one of the handsomest, most prolific, and best flavored in cultivation. It is a dwarf, dark green marrow, and is literally covered with pods; 2½ ft. Per pkt., 10 cents; qt., 50; peck, \$3.00; bush., \$10.00.

Champion of England.—Universally admitted one of the best Peas grown; of delicious flavor and a profuse bearer; 5 ft. Per pkt., 10 cents; qt., 30; peck, \$2.00; bush., \$7.00.

Dwarf Blue Imperial.—A good bearer and fine flavored; a good Summer Pea; 3 ft. Per pkt., 10 cents; qt., 30; peck, \$1.75; bush., \$6.00.

Dwarf White Marrowfat.—An old variety, of dwarf habit, and on that account preferable for small gardens; 3 ft. Per pkt., 10 cents; qt., 25; peck, \$1.50; bush., \$5.00.

Laxton's Prolific Early Long Pod.—Very productive; frequently averaging 11 to 12 Peas in a pod; very hardy; 4 ft. Per pkt., 10 cents; qt., 25; peck, \$1.75; bush., \$6.00.

Laxton's Supreme.—A variety of the green Marrows, with long, well-filled pods, nearly as early as Dan O'Rourke; 3 ft. Per pkt., 10 cents; qt., 40; peck, \$2.25; bush., \$8.00.

Marrowfat Black-Eyed.—Excellent either for garden or field culture; has large and well-filled pods; a popular market variety; 4 ft. Per pkt., 10 cents; qt., 20; peck, \$1.00; bush., \$3.00.

Marrowfat Large White.—A favorite late market sort, with large, broad pods, well filled, of excellent quality; 6 ft. Per pkt., 10 cents; qt., 20; peck, 80; bush., \$3.00.

Pride of the Market.—It is very productive, and the pods are well filled with large and fine-flavored Peas. Its robust constitution, enormous productiveness, and superior appearance insure its acceptance as a favorite by the public. 2 ft. Per pkt., 20 cents; pint, 60; qt., \$1.00.

Stratagem.—This is one of the best, if not absolutely the best, of the many English Peas lately introduced. It is a dwarf wrinkled blue marrow, a heavy cropper, with large, remarkably well-filled pods. 2 ft. Per pkt., 20 cents; pint, 60; qt., \$1.00.

Sugar Dwarf.—Edible pods; can be used in a green state, like string Beans; 2 ft. Per pkt., 10 cents; qt., 50; peck, \$3.50; bush., \$12.00.

Sugar Tall.—Edible pods; 5 ft. Per pkt., 10 cents; qt., 50; peck, \$3.50; bush., \$12.00.

Yorkshire Hero.—One of the most desirable varieties in cultivation; is very prolific and of delicious flavor; 2½ ft. Per pkt., 10 cents; qt., 40; peck, \$2.50; bush., \$9.00.

PEPPERS.

[*Capsicum*, LIN. *Piment*, FR. *Spanisher Pfeffer*, GER. *Pimiento*, SP.]

One ounce will produce two thousand plants.

CULTURE.—Sow early in April in a hot-bed, in shallow drills six inches apart, and transplant to the open ground as soon as the weather is warm and settled. Set the plants in mellow soil, in rows sixteen inches apart, and the same distance apart in the rows. The seed may also be sown in the open ground, but not until all danger of frost is past.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Cayenne (true).—Pods small, cone-shaped, red, intensely acrid. This variety furnishes the Cayenne Pepper of commerce. Used for pickles, and for making pepper-sauce. Per pkt., 10 cents; oz., 35.

Cherry Red.—A small, smooth, round variety, of dwarf growth. Fruit at maturity of a deep, rich, glossy scarlet color. Per pkt., 5 cents; oz., 25; $\frac{1}{4}$ lb., \$3.00.

Chili.—Pods pendent, sharply conical, about two inches in length, half an inch in diameter, very piquant. Per pkt., 10 cents; oz., 50; $\frac{1}{4}$ lb. \$1.50; lb., \$5.00.

Large Bell, or Bull Nose.—Early, sweet and pleasant to the taste, less pungent than most other sorts. Per pkt., 5 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$3.00.

Long Red.—Fruit brilliant coral red, from three to four inches in length, and an inch to one and a half inches in diameter. Per pkt., 5 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$3.00.

Long Yellow.—Similar to the Long Red in shape and general appearance, excepting in color. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.30.

New Cranberry.—Small, piquant; and of fine

flavor. Per pkt., 10 cents; oz., 50; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

New Golden Dawn.—In color this is a bright golden yellow, and in productiveness it is said to surpass any other variety. It is entirely free from fiery flavor, even the seeds and pulp have not the least smart taste. Per pkt., 15 cents.

New Oxheart.—Medium-sized, heart-shaped, productive, piquant; excellent for pickles. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

Spanish Monstrous.—Of cylindrical form. When ripe, the fruit is of beautiful coral red; sweet and thick flesh. Per pkt., 10 cents; oz., 50.

Squash or Tomato-shaped.—Of a brilliant coral red; flesh thick; mild and pleasant to the taste; an excellent sort for pickling. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Sweet Mountain, or Mammoth.—Similar in shape to the Large Bell, but of larger size; rind thick; fleshy and tender; much used for pickling. Per pkt., 10 cents; oz., 40; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

Sweet Spanish.—The earliest of all the varieties. The flesh is sweet, mild, and pleasant. Per pkt., 10 cents; oz., 40; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

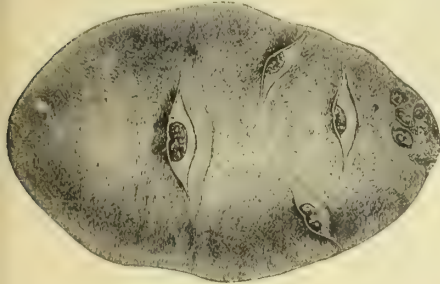
POTATOES.

[*Solanum Tuberosum*, LIN. *Pomme de Terre*, FR. *Kartoffel*, GER. *Potata*, SP.]

For cultural directions and a more complete list and description of each variety, see our Illustrated Potato Catalogue, which contains much valuable information. 48 pages. Price, 10 cents.

NEW VARIETIES NOT BEFORE OFFERED.

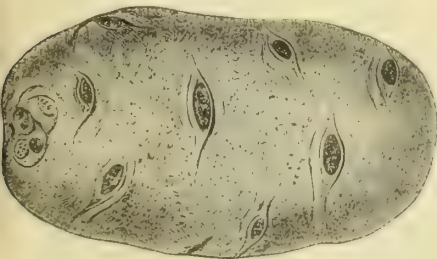
Although now offered for the first time, the following varieties have been carefully tested in various parts of this country, and have met with the unqualified approval of all who have given them a trial.



ROSY MORN.

This valuable new Potato was raised from Pringle's Hybridized seed in 1875, and is evidently a cross between Peachblow and Early Rose. During the first years, from seed, its Peachblow parentage was strongly marked, while in the last three or four years it has gradually changed to the color and appearance of the Early Rose, so that now it closely resembles that variety, except in its eyes, which are smaller and smoother. In quality, however, it is decidedly superior, being solid and sound, and cooking white and mealy. It yields nearly or quite double as much as the Early Rose, planted side by side and under the same conditions. It is also more inclined to form seed balls. Its special value, however, consists in its great earliness and in its fitness for cooking sooner after planting than any other kind.

Price \$1.00 per pound; three pounds to one address, \$2.50, by mail, post-paid. By express or freight, at the expense of the purchaser, half peck, \$3.00; one peck, \$5.00; half bushel, \$7.00; one bushel, \$12.00 - bbl., \$25.00.

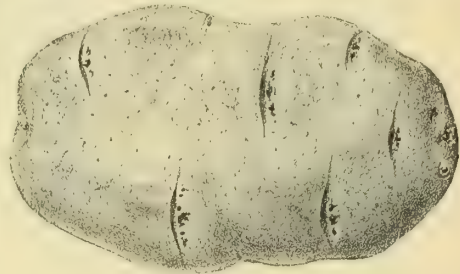


RUBICUND.

A seedling produced by fertilizing Early Rose with White Peachblow, and raised the same year as the preceding. From its first growth its vigorous and healthy appearance attracted the attention of its originator, who selected it from a large number of seedlings for future trial and propagation. It has since fully met the expectations placed upon it, and we confidently offer it now as a novelty of superior merit. Its color is of a peculiar reddish bronze, with bright purplish lines near the eyes; its shape is longish oval, pointed and somewhat depressed; size, uniform medium to large. It ripens medium late, and in quality ranks with the best.

In hardiness and vigorous growth of vines, as well as in productiveness, it has few, if any, equals, and as a reliable Winter keeping Potato it is not excelled by any other kind.

Price \$1.00 per pound; three pounds to one address, \$2.50, by mail, post-paid. By express or freight, at the expense of the purchaser, half peck, \$3.00; one peck, \$5.00; half bushel, \$7.00; one bushel, \$12.00; bbl., \$25.00.



WALL'S ORANGE.

This new late variety originated with one of the most careful and successful farmers and Potato raisers in Monroe Co., N. Y. It originated from a seed-ball of a local variety, which has been known in that vicinity for years, and highly prized as one of the finest table Potatoes known in that vicinity. This new seedling resembles its parent in shape, but in productiveness far surpasses it, even with ordinary farm or field culture. It is said by competent authorities that as a table Potato it is unsurpassed: at all events, no better could be desired. Its color is a distinctive feature, being of a decided orange hue, from which it derives its name. The originator says of it: "For quality and productiveness, I know of no variety equaling the Wall's Orange. It is about the strongest grower I ever saw, vines completely covering the ground, and as nearly bug proof as possible. Growing in my experimental field, beside other varieties, which were bugged several times, they took care of themselves, and were the last to succumb to the drouth."

Price, \$1.00 per pound; three pounds to one address, \$2.50, by mail, post-paid. By express or freight, at the expense of the purchaser, half peck, \$3.00; one peck, \$5.00.

TYRIAN PURPLE.

This medium early variety is a sport from Compton's Surprise, which, after careful experiments under varied conditions, has maintained the distinctive features that first claimed attention. The tubers are well shaped, of a round, oblong form, not unlike Early Rose, while in size it is medium and uniform. The skin is a dark purplish red; flesh pure white and very firm, and when cooked, floury and of good flavor. It is an excellent keeper, and, on account of its many merits, we believe every potato cultivator would do well to give it a trial. Price, 50 cents per pound; three pounds to one address, \$1.25, by mail, post-paid. By express or freight at expense of purchaser, one peck, \$1.50; one bushel, \$5.00.

GENERAL COLLECTION OF WELL-KNOWN STANDARD VARIETIES OF POTATOES.

Except when otherwise noted, the price of the following varieties, when sent by mail, is 50 cents per pound; three pounds for \$1.25, post-paid. When ordered in lots of three bbls., 25 cents per bbl., or five bbls., 50 cents per bbl., may be deducted.

Adirondack.—This favorite variety may be classed as medium or second early; the tubers are red-skinned, almost a perfect ball, and grow in clusters; of excellent table qualities, being pure white in flesh, floury, and of faultless flavor. It is an abundant cropper, while its keeping qualities have so far been perfectly satisfactory. Per peck, \$1.00; bush., \$2.25; bbl., \$5.00.

American Giant.—One of the largest and most productive second early varieties in cultivation; of splendid flavor and an excellent keeper; on account of its large size it is a desirable exhibition variety. Per peck, \$1.25; bush., \$3.50; bbl., \$7.00.

American Magnum Bonum.—This variety possesses many of the most essential qualities to render it a standard sort. It matures a few days after the Early Rose, while in productiveness it surpasses that popular variety. Per peck, 75 cents; bush., \$2.00; bbl., \$5.00.

Beauty of Hebron.—A fine cropper, of excellent quality; ripens with the Early Rose, and equally valuable as a market variety. Per peck, 75 cents; bush., \$2.00; bbl., \$5.00.

Bliss's Triumph.—This is one of the most attractive in appearance of any that we have yet offered, and compares favorably with the best of them in quality. It is more productive than Early Rose, and matures its crop at least seven days in advance of that favorite sort. It strongly resembles the early varieties from Bermuda; flesh fine grain and of excellent flavor. Per peck, \$1.25; bush., \$3.00; bbl., \$7.00.

Brownell's Best.—This splendid second early variety belongs to that excellent strain of Potatoes represented by the Snowflake, Pride of America, and a few others. Enormously productive; in color, white, shading to russet; shape oblong, somewhat flattened; eyes few and entirely smooth; flesh white, fine-grained, floury, and of the purest flavor. Taking all in all, we do not hesitate to assert that the highest perfections, in shape, in size, in yield, and in quality, are combined in this new variety. Per peck, \$1.50; bush., \$4.00; bbl., \$8.00.

Burbank's Seedling.—A white-skinned medium early variety; flesh of fine grain and of excellent flavor. Per peck, \$1.00; bush., \$2.00; bbl., \$5.00.

Early Ohio.—A seedling of the Early Rose, resembling it in color. The quality is excellent; earlier than Rose; a desirable market variety. Per peck, 75 cents; bush., \$2.00; bbl., \$5.00.

Early Rose.—This was the first of Mr. Bresee's seedlings, offered by us in January, 1868, and has now become the standard variety for earliness, quality, and productiveness. Per peck, 75 cents; bush., \$1.25; bbl., \$4.00.

Early Snowflake.—This favorite variety possesses more good qualities than any variety heretofore introduced. It ripens about a week later than the Early Rose. Its mealiness, pure, delicate flavor, and the evenness with which it cooks through, have never been excelled by any Potato. Per peck, \$1.00; bush., \$2.25; bbl., \$5.00.

Extra Early Vermont.—Similar in color, form, and general appearance to the Early Rose. It is, however, earlier, more hardy, more productive, and of better quality. Per peck, 75 cents; bush., \$2.25; bbl., \$5.00.

Late Beauty of Hebron.—This was first discovered in a field of the Early Beauty of Hebron, and is very similar, if not identical, with the White Elephant. It is remarkably productive; tubers oblong and of extra size; skin and flesh white; table properties good, and keeps well. Per peck, 75 cents; per bush., \$2.00; per bbl., \$4.50.

Late Rose.—This variety ripens two or three weeks later than the Early Rose; hardy, productive, and keeps well. Per peck, 75 cents; bush., \$1.75; bbl., \$4.00.

Mammoth Pearl.—Of good table qualities, skin white, and flesh whiter of any variety. For the table it cooks like a ball of flour. It ripens in August; very productive. Per peck, 75 cents; bush., \$1.75; bbl., \$4.50.

Matchless.—An excellent variety for general crop; very prolific; tubers generally round, but occasionally oblong and flattened; skin slightly russeted, pale red, except the eyes and seed end, where it is much brighter; eyes slightly depressed. Flesh pure white, of excellent quality. An excellent keeper, and has never yet shown any signs of disease. Per peck, 75 cents; bush., \$2.00; bbl., \$4.50.

Peerless (Bresee's No. 6).—One of the very best varieties for general culture. Per peck, 75 cents; bush., \$1.75; bbl., \$4.00.

Pride of America.—This superb variety closely resembles the well-known Snowflake, but ripens a few days later, and is adapted to a greater variety of soils, more productive, grows to a larger size, and produces but a very few small tubers, and, so far, has shown no signs of disease. Flesh fine-grained, and of snowy whiteness. It is an excellent keeper, and retains all its good qualities throughout the entire season. Per peck, \$1.00; bush., \$2.00; bbl., \$5.00.

Queen of the Valley.—One of the most prolific varieties in cultivation. Season medium; tubers very large; shape long, flattened, somewhat square cut at the ends; color, deep pink at the seed end, gradually changing to almost white at the stem end; cooks mealy, without falling into pieces. Its only fault, as a table potato, might be found in its enormous size, but its immense productiveness will, no doubt, make it of great value to all who appreciate the nutritive properties of potatoes as food for live stock of all kinds. Per peck, \$1.00; bush., \$2.50; bbl., \$6.00.

Vermont Champion.—This very desirable variety is the result of selections from seedlings of Compton's Surprise and White Peachblow, and has proved to be one of the most valuable varieties ever cultivated. It is of large size, roundish oval form, has a silvery white skin and white flesh; its flavor is pure and delicate. The vines grow very strong and upright, and have never shown blight. It is a good cropper, producing but few small tubers, and keeps well till the following Summer. Per peck, \$1.50; bush., \$4.00; bbl., \$8.00.

White Elephant.—This superb late variety is justly popular on account of its great productiveness, excellent flavor, power of resisting disease, and splendid keeping qualities; it cooks well and is of good flavor. Similar to, if not identical with, the Late Beauty of Hebron. Per peck, 75 cents; bush., \$2.00; bbl., \$4.50.

White Star.—This excellent medium early Potato has more than maintained the introductory reputation given it. The foliage is dense, dark green; vines strong, stocky, and vigorous, on which account it is well calculated to resist the ravages of the Colorado beetle. The tubers are oblong, large, uniform, and handsome; while in yield it has proved remarkably prolific, and so far has effectually resisted blight. Whether baked or boiled, its cooking qualities are faultless; its purity of color, fine floury texture, and delicious flavor being unexcelled by any other variety. Per peck, \$1.00; bush., \$2.50; bbl., \$6.00.



Early Scarlet Turnip.



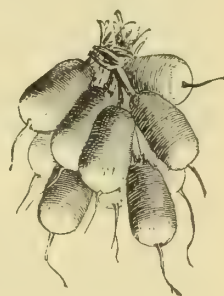
Long Scarlet Short Top.



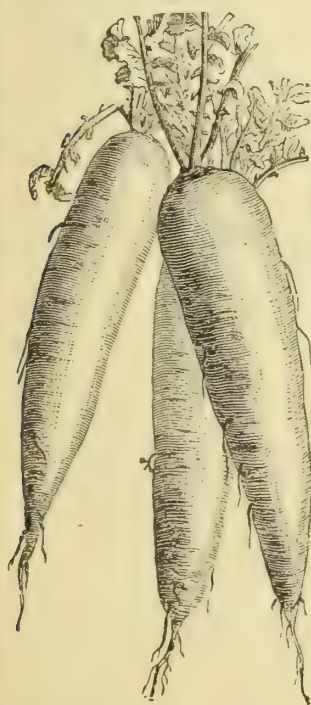
Scarlet Olive-Shaped.



Scarlet Turnip White Tipped.



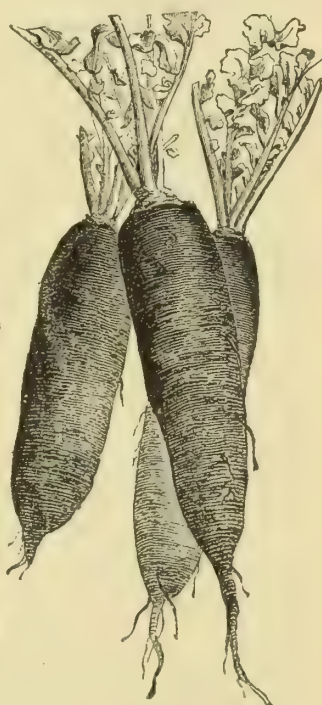
French Breakfast.



California White Winter.



Scarlet China Winter.



Black Long Spanish Winter.

RADISHES.

HYBRIDIZED POTATO SEED.

The success which has attended the attempt to improve this valuable esculent has encouraged us to make still greater efforts in hybridization, and we have now the pleasure of offering a very choice strain of seed, the product of numerous hybridizations between many of the best new and old varieties in cultivation, both English and American. Full directions for sowing accompany each packet. Price, 25 cents per packet; 5 packets, \$1.00.

PUMPKIN.

[*Cucurbita pepo*, LIN. *Potiron*, FR. *Kurbis*, GER. *Calabaza*, SP.]

One pound will plant from 200 to 300 hills.

CULTURE.—The common practice is to drop two or three seeds in every second or third hill, in the corn-field, but if cultivated on a large scale the seed may be sown in hills, eight feet apart each way, four plants to each hill, and otherwise treated in the same manner as recommended for Melons or Cucumbers.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Cashaw.—Similar to the common Crookneck Winter Squash. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 30; lb., 85.

Connecticut Field.—A large yellow variety; the best for field culture. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 15; lb., 35.

Jumbo.—The largest variety grown, often attaining the weight of two hundred pounds; very productive. Per pkt., 10 cents; oz., 20; $\frac{1}{4}$ lb., 60; lb., \$2.00.

Large Cheese.—Hardy, productive, and superior in all respects to most of the field-grown sorts; of fine grain and excellent flavor. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 50.

Large Tours, or Mammoth.—Very productive, large size, often weighing one hundred to one hundred and fifty pounds. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

RADISH.

[*Raphanus sativus*, LIN. *Radis*, *Rave*, *Petite Rave*, FR. *Rettig Radies*, GER. *Rabano*, SP.]

One ounce will sow one hundred feet of drill.

CULTURE.—The soil for radishes should be very rich, light and mellow, well broken by digging, as their tender and mild qualities depend much upon their rapid growth. For very early use sow on gentle hot-beds in February, and in the open air as soon as the ground can be worked, at intervals of ten or twelve days for a succession, as long as they may be wanted. The Turnip-rooted and the Olive-shaped are the best for sowing in the Summer. The Winter varieties should be sown in August, and lifted before severe frost, and stored in the cellar.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

California Mammoth White Winter.—Introduced into California by the Chinese; it grows to a large size; flesh white, firm, and of good flavor; Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 35; lb., \$1.25.

Early Short Top Long Scarlet.—When pure and true it has a bright scarlet root, and very small top. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 20; lb., 60.

Early Purple Turnip.—Color deep purple, very early, and of fine flavor. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 30; lb., \$1.00.

Earliest Scarlet Erfurt.—The earliest variety; short-leaved; the finest for forcing. Per pkt., 10 cents; oz., 15; $\frac{1}{4}$ lb., 30; lb., \$1.00.

Early Scarlet Turnip.—Small top; quick growth; mild and crisp. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 20; lb., 60.

French Breakfast.—A quick-growing variety, and one of the best for early forcing. It is of oval form, color scarlet, tipped with white. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 65.

Long Salmon.—Longer and lighter colored than the above, with a larger top; a few days later. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 20; lb., 60.

Long White Naples.—White, but when exposed to the light, tinged with green; flesh white, crisp and mild. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 30; lb., 85.

Olive-shaped Golden Yellow Summer.—Very early; adapted both for forcing and the open ground. Per pkt., 10 cents; oz., 15; $\frac{1}{4}$ lb., 30; lb., \$1.00.

Olive-shaped Scarlet.—A very early and handsome variety, of a lively rose color and oblong shape. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 20; lb., 65.

Olive-shaped Violet White Tipped.—Equally as constant and as attractive for table decoration as the French Breakfast. Per pkt., 10 cents; oz., 15; $\frac{1}{4}$ lb., 40; lb., \$1.50.

Olive-shaped White.—Same as preceding, except in color. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 85.

Raphanus Caudatus, or Rat-tail Radish.—Produces pods from two to three feet long, which may be used either boiled as a salad, or in pickles. Per pkt., 10 cents; oz., 50.

Rose Colored China Winter.—Form rather conical and very smooth; of a lively rose color; flesh firm and pungent. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 30; lb., 85.

Russian Frame.—Comes into use rapidly. The root exceeds ten inches in length, and is of an average thickness throughout of about an inch. The flesh is white, delicate, and fine flavored. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Russian Large White.—The largest of all Winter Radishes; produces roots weighing three pounds; quality medium. Per pkt., 10 cents; oz., 15; $\frac{1}{4}$ lb., 50.

Spanish Winter, Long Black.—Of very large size and firm texture. Store in sand in the cellar for Winter use. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 20; lb., 60.

Spanish Winter, Round Black.—Similar to the above, except in form. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 20; lb., 60.

Spanish Winter, White.—Similar to the foregoing, except in color. Per pkt., 5 cents; oz., 15; $\frac{1}{4}$ lb., 40; lb., \$1.25.

Turnip-shaped Golden Yellow.—A new French variety of a beautiful golden color; very early. Per pkt., 10 cents; oz., 15; $\frac{1}{4}$ lb., 35; lb., \$1.00.

White China Winter.—Except in color, this variety is similar to Rose Colored China. Per pkt., 10 cents; oz., 15; $\frac{1}{4}$ lb., 40; lb., \$1.25.

White Turnip.—Like the scarlet in shape, but in color pure white. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 20; lb., 60.

Yellow Turnip.—The very best to stand the heat and drought of Summer. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 85.

RHUBARB.[*Rheum hybridum*, LIN. *Rhubarbe*, FR. *Rhabarber*, GER. *Ruibarbo bastardo*, SP.]**One ounce will produce about one thousand plants.**

CULTURE.—Sow in April in drills eighteen inches apart, and cover the seed with fine soil, pressing it down firmly. When the plants are strong enough, thin out to six inches. In the Fall or following Spring, transplant the roots into deep, rich soil, three feet apart each way. Do not cut until the third Spring after sowing. The most expeditious way to secure a supply is to preserve roots already grown, which will come into use in one season.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Victoria.—Large, fine for cooking. Per pkt., 5 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.00.

Linnaeus.—Large, tender, and very fine. Per pkt., 5 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.00.

Roots.—25 cents each; \$2.00 per dozen. By mail, 40 cents each; \$4.00 per dozen.

SALSIFY, or OYSTER PLANT.[*Tragopogon porrifolius*, LIN. *Salsifis*, FR. *Bocksart*, GER. *Ostra Vegetal*, SP.]**One ounce will sow fifty feet of drill.**

CULTURE.—Sow the seed in light, deep soil, early in Spring, in drills twelve inches apart and one inch deep, thinning out the young plants to six inches. The roots will be ready for use in October, when a supply should be taken up and stored like Carrots. Those remaining will suffer no injury by being left in the ground till Spring, but should be dug up before commencing their growth.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 65; lb., \$2.25.

SCOLYMUS (Spanish Oyster Plant).[*Scolymus Hispanicus*, LIN.]**One ounce will sow fifty feet of drill.**

CULTURE.—Any good garden loam, thoroughly worked, is adapted to the growth of the Scolymus. Sow the seeds from the middle of April to the first of May in drills one inch deep and one foot apart. Thin the young plants to five inches apart in the rows, and afterward treat as Parsnips or Carrots.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

SCORZONERA.[*Scorzonere*, FR. *Skorzonere*, GER. *Escorzonera*, SP.]**One ounce will sow fifty feet of drill.**

CULTURE.—Similar in many respects to Salsify, and called by some Black Salsify. Culture the same as recommended for Salsify. They may be boiled like the Parsnip and served plain at the table, or they may be cooked like the Salsify. Before cooking, the outer coarse rind should be scraped off, and the roots soaked a few hours in cold water to extract their bitter flavor.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.00.

SEA-KALE.[*Crambe Maritima*, LIN. *Crambe Maritime*, FR. *Selkohl meerkohl*, GER. *Breton de mar*, SP.]**One ounce will produce about three hundred plants.**

CULTURE.—Cultivated for its blanched shoots, which are cooked as Asparagus. A supply may be had all Winter by planting roots closely in a warm cellar before frost. Sow one inch deep, in drills two feet apart, thin out to six inches, and the next Spring plant in hills three feet apart.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

SORREL.[*Rumex acetosa*, LIN. *Oseille*, FR. *Sauerampfer*, GER. *Acedera*, SP.]**One ounce will sow one hundred and fifty feet of drill.**

CULTURE.—The soil should be rich and moist, in shallow drills twelve inches apart; thin out to six inches. The leaves possess a pleasant acid taste, and are mixed with salads, to which they impart an agreeable refreshing flavor.

Large Leaved French.—Per pkt., 5 cents; oz., 15; $\frac{1}{4}$ lb., 40; lb., \$1.00



GROUP OF SQUASHES.

1.—Boston Marrow.
2.—Canada Crookneck.

3.—Hubbard.
4.—Mammoth.

5.—French Turban.
6.—Improved Turban.

SPINACH.

[*Spinacea oleracea*, LIN. *Epinard*, FR. *Spinat*, GER. *Espinaca*, SP.]**One ounce will sow one hundred feet of drill; ten lbs. for one acre.**

CULTURE.—For the Summer crop sow early in March, and at intervals of three weeks or a fortnight, until the middle of July, in quantities according to the demand. The round seeded varieties are the best for Summer crops. The Winter crop should be sown from the middle of August to the beginning of September; the prickly seeded is the hardiest, and should be partly used for this crop. All the crops should be sown in drills from one to two inches deep, and from twelve to eighteen inches apart, scattering the seed thinly, and covering with fine soil. Protect the Winter crops on approach of severe frost with a little straw or evergreen boughs.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Extra Large Round-Leaved Viroflay.—A splendid variety of the Lettuce-leaved Spinach, but with leaves much longer and broader, round, thick, and fleshy, dark green. Young plants transplanted into a rich soil will grow to an enormous size. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 20; lb., 50.

Lettuce-leaved.—A new sort of very superior quality; leaves large, thick, and deep green; seed, round; best suited for Spring sowing. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 20; lb., 50.

New Zealand.—This plant grows very large and luxuriant in warm, rich soil. It will endure severe drought, which is its greatest advantage, and produces a large quantity of leaves during Sum-

mer. The plants should stand two or three feet apart. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 30; lb., \$1.00.

Prickly, or Fall.—This is the hardiest variety; prickly seeded, with triangular, oblong, or arrow-shaped leaves. Mostly employed for Fall sowing. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 15; lb., 35.

Round, or Summer.—Has a smooth, round seed; thick, fleshy leaves, a little crimped; generally preferred for Spring sowing. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 15; lb., 35.

Savoy-Leaved.—One of the best market varieties; productive, hardy, tender, and well-flavored. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 20; lb., 50.

SQUASH.

[*Cucurbita melo-pepo*, LIN. *Courge*, FR. *Kurbiss*, GER. *Calabaza tontanero*, SP.]**One ounce Early will plant fifty hills; one ounce Marrow twenty hills.****Four to six pounds will be required for acre.**

CULTURE.—Being very tender and so sensitive of cold, Squash cannot be planted with safety in the Middle and Northern States before the Middle of May. The hills should be highly manured, and prepared in a similar manner to those for Cucumbers; all sorts thinned to not more than three plants to a hill.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Boston Marrow.—Form ovate, pointed; rind extremely thin; bright orange or salmon colored; flesh deep orange, finely grained, and excellent flavored. It keeps well in Winter, and will boil as dry as a potato. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 35; lb., \$1.25.

Butman.—In size and productiveness it resembles the Hubbard; it has a thick shell and is thick-meated; dry, sweet, and delicious; in its prime from October to January. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 35; lb., \$1.25.

Canada Crookneck (True).—A small, early variety of the Winter Crookneck. One of the best for keeping, and when hung up in a dry room, of even temperature, will often keep good until the crop is gathered the following year. Per pkt., 10 cents; oz., 20; $\frac{1}{4}$ lb., 50; lb., \$1.50.

Cocoanut.—A handsome little Squash; very prolific and excellent for table use; color a creamy yellow, except at the bottom, where it is of a rich green hue; flesh fine grained and solid. Per pkt., 10 cents; oz., 20; $\frac{1}{4}$ lb., 50; lb., \$1.50.

Custard Marrow.—An English variety of delicate flavor; highly recommended. Per pkt., 25 cents.

Early Bush Summer Crookneck.—The best sort for Summer; very early and productive. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 80.

Early White Bush Scalloped.—Similar in shape to the yellow; light cream-colored. Both varieties are called "Patty-Pan" in the Southern and Middle States. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 80.

Early Yellow Bush Scalloped.—An early, flat, scalloped-shaped sort, of a deep orange yellow. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 80.

Fall or Winter Crookneck.—Extensively grown in the Eastern States; neck long and solid; color pale yellow, sometimes striped. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 30; lb., 80.

Hubbard.—This variety is more largely grown than any other; it has a hard shell, and will keep three months later than the Marrows. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 35; lb., \$1.25.

Low's Premium Turban.—This is one of the richest flavored, finest grained, sweetest, most productive, and best keeping Squashes we know of. Being very early, it may be planted as a second crop after early Peas, Potatoes, or Cabbages. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 65; lb., \$2.00.

Marblehead.—Flesh lighter in color than the Hubbard, while its combination of sweetness, dryness, and delicious flavor is something really remarkable. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 35; lb., \$1.25.

Mammoth.—Very large, often attaining the weight of two hundred pounds; excellent for pies or stock; very productive. Per pkt., 10 cents; oz., 20; $\frac{1}{4}$ lb., 60; lb., \$2.00.

Perfect Gem.—Excellent both as a Summer and Winter Squash; of a creamy white color; thin skinned, with fine grained, sweet, deliciously flavored flesh; a free grower, productive, and of excellent keeping qualities. Per pkt., 15 cents; oz., 30; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Turban, or Turk's Cap.—A most excellent late table variety; flesh orange-yellow, thick, fine grained, sugary, and well flavored. Per pkt., 10 cents; oz., 15; $\frac{1}{4}$ lb., 40; lb., \$1.20.

Vegetable Marrow.—A favorite English sort; skin greenish yellow; flesh white, soft, rich flavor. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 80; lb., \$3.00.

Yokohama.—When fully ripe is of a uniform dull orange color; flesh of a deep orange color, finely flavored, sweet and dry, very fine grained, and without any fiber; a good keeper. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

NEW TOMATO—MAYFLOWER.

In this new seedling variety, which we had the pleasure of introducing last season, all the qualities desirable in a Tomato are combined in a degree not heretofore attained. It is the earliest large Tomato cultivated, ripening but a few days later than "Little Gem," and averaging in size about one-third larger than "Acme." It is of a glossy, bright red color, so desirable in a market Tomato, and ripens so evenly and perfectly up to the stem, that it presents a most beautiful appearance. Its shape is perfect, globular, slightly flattened and perfectly smooth; flesh solid, unusually free from seeds, and of a pure, rich flavor. In productiveness it is not excelled by any other sort, bearing full crops until killed by frost. Its skin is firm and smooth, indicative of the best shipping qualities. From the many testimonials received from numerous growers in every section of the country, we are lead to anticipate an unusual demand for this excellent variety the coming season. In view of this, together with a short crop of seed, we would suggest that those desiring a supply would order early, to avoid disappointment. (Head-quarters seed.) Per pkt., 15 cents; oz., 75 cents.

TOBACCO SEED.

One ounce will sow twenty-five feet square, and produce plants for one acre.

Directions for cultivation, curing, and preparation for the market will be furnished with the seed.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

General Grant.—The earliest Tobacco in cultivation; produces immense foliage, of fine texture, small veined and very elastic; ripens as far north as Minnesota. Per pkt., 25 cents.

Connecticut Seed Leaf.—Saved from selected plants. Per pkt., 10 cents; oz., 35; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Havana.—Imported seed. Per pkt., 15 cents; oz., 50; $\frac{1}{4}$ lb., \$2.00; lb., \$6.00.

Maryland and Ohio.—Per pkt., 15 cents; oz., 40; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

Kentucky.—Per pkt., 15 cents; oz., 40; lb., \$4.00

Porto Rico.—Imported seed. Per pkt., 20 cents; oz., 75; $\frac{1}{4}$ lb., \$2.50; lb., \$8.00.

Salenichi.—Very large leaves. Per pkt., 25 cents; oz., \$1.00; $\frac{1}{4}$ lb., \$3.00; lb., \$10.00.

Virginia, James River.—Per pkt., 15 cents; oz., 40; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

TOMATO.

[*Solanum lycopersicum*, LIN. *Tomate*, FR. *Liebasapfel*, GER. *Tomates*, SP.]

One ounce will produce about twelve hundred plants.

CULTURE.—For early use, sow in February or March, in boxes or pots, and place near a window or in a hot-bed. When about two inches high prick them out singly in small pots, and nurse carefully in frames; and when the danger of frost is past plant them out in a sheltered situation, where they may have the full influence of the sun. To hasten the maturity of the first fruit which sets, pinch off the extremities of the tops and all the secondary shoots which afterward appear above the flowers.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Livingston's Favorite.—This is said to be the largest, perfect-shaped Tomato in cultivation, smoother than the Paragon, does not crack or rot like the Acme, is a darker red than the Perfection; ripens evenly and as early as any good variety, holding its size to the end of the season; very prolific, good flavor, few seeds, flesh solid; bears shipping long distances. Per packet, 25 cents; 5 packets for \$1.00.

Acme.—One of the earliest; produces an abundance of handsome, medium-sized fruit, of a dark red color, slightly tinged with purple; but few seeds, is free from core, and of delicious flavor. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Arlington.—Fruit large, perfect in form, bright red, solid; productive, of fine flavor, and excellent for canning. Per pkt., 5 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Canada Victor.—An early variety, originating in Canada; fruit solid, and of rich flavor. Per pkt., 5 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Conqueror.—Of good size, uniform in shape, color deep red; flesh solid, of rich, mild flavor; it ripens well up to the stem, and is exempt from cracking. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 85; lb., \$3.00.

Early Smooth Red.—Very early, smooth, round, of medium size, productive, of good quality. Per pkt., 5 cents; oz., 25. $\frac{1}{4}$ lb., 75; lb., \$2.50.

General Grant.—Round, slightly flattened, very symmetrical; color brilliant glossy crimson, flesh solid, skin smooth and shining, coloring well up to the stem; very productive, and of fine flavor. Per pkt., 5 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Golden Trophy.—A sport from the well-known Trophy; of a beautiful light yellow, occasionally faintly streaked with red; a desirable acquisition for preserving as well as for the table. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Green Gage Tomato.—An English variety, medium size, resembling a bright yellow plum in shape and color, with a distinct, piquant, and highly agreeable flavor. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Hathaway's Excelsior.—A favorite variety, early, of medium size, solid, of excellent quality, and very productive. Per pkt., 5 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Large Smooth, or Round Red.—Smooth and fair, color bright red; an excellent market variety. Per pkt., 5 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Large Yellow.—About the size and shape of the Smooth Red; color bright yellow; flesh firm and very solid. Per pkt., 5 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Lester's Perfected (Fejee Island).—Fruit of large size, pinkish red; of fine flavor. Per pkt., 5 cents; oz., 30, $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Paragon.—A second early; fruit large; color bright crimson; smooth, solid, of excellent flavor; bears transportation well; very productive; an excellent market variety. Per pkt., 10 cents; oz., 25; $\frac{1}{4}$ lb., 75; lb., \$2.50.

Little Gem.—The earliest variety known; bright red color, uniform in size and shape, and handsome in appearance. It may be relied upon to yield several pickings a week or ten days earlier than any other variety. Per pkt., 10 cents; oz., 40; $\frac{1}{4}$ lb., \$1.25.

Livingston's Perfection.—An early variety, of blood-red color; perfectly smooth, ripens uniformly, and bears abundantly until frost; for canning it surpasses any sort hitherto offered. Per pkt., 10 cents; oz., 50; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

Mayflower.—This is the earliest large Tomato we know of; of splendid shape, perfectly smooth, of a bright red color, and ripens uniformly up to the stem. The flesh is solid, free from seeds, and of a pure, rich flavor; in productiveness it is unequalled. Per pkt., 15 cents; oz., 75.

New Erect French, or Tree (Tomate de Lave).—Distinct from all others, of upright growth, in the form of a bush; fruit solid and of fine quality. Per pkt., 10 cents; oz., \$1.50.

Red Cherry.—A small, round, red Tomato, of the shape and size of a cherry; fine for pickling. Per pkt., 5 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Strawberry, or Ground Cherry (Physalis Edulis).—A distinct variety; the fruit has a juicy pulp, of a pleasant, strawberry-like flavor, with a certain degree of sweetness and acidity intermixed; with the addition of lemon juice it is frequently preserved like plums. Per pkt., 10 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Trophy.—Fruit very large, generally smooth, solid; ripens early, and is of fine quality; our seed is all saved from selected specimens. Per pkt., 10 cents; oz., 50; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

Yellow Plum.—Shape uniformly oval, and perfectly smooth; color lemon yellow; used for preserves. Per pkt., 5 cents; oz., 30; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

TURNIP.

[*Brassica rapa*, LIN. *Navet*, FR. *Rube*, GER. *Nabo*, SP.]

One ounce will sow one hundred and fifty feet of drill; two lbs. will sow an acre.

CULTURE.—For early use, sow as soon as the ground can be worked in Spring, in drills fifteen inches apart, and thin to eight inches apart as soon as plants are large enough to handle. For succession, sow at intervals of a fortnight until the last week of July, from which time until the end of August sowings may be made for main and late crops. The sowing should always be done just before rain, if possible, and the success of the crop in a great measure depends upon quick germination, and a rapid and free growth at first.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

WHITE FLESH VARIETIES.

Early Flat Dutch, or Spring Turnip.—Size medium; white, of quick growth. For Spring or Fall. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 75.

Early White Egg.—A desirable variety, perfectly smooth and nearly egg-shaped; of rapid growth and of fine quality. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 75.

Extra Early Purple-top Munich.—A very distinct and remarkably handsome early Turnip, with a bright purplish-red top and fine mouse-tail root. It has proved to be quite *three weeks* earlier than any other variety sown on the same day side by side with it. Per pkt., 10 cents; oz., 15; $\frac{1}{4}$ lb., 30; lb., \$1.00.

Large White Norfolk.—Large size; skin white below the surface, but sometimes greenish above. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 20; lb., 60.

Long White, or Cow Horn.—Flesh white, fine grained; and sweet; keeps well, and is one of the best of all for culinary purposes. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 75.

Purple Top White Globe.—Of globular shape, very handsome, and of superior quality, either for the table or stock; an excellent keeper, and a fine market variety. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 30; lb., \$1.00.

Red Top Strap-leaved.—This variety has the form and character of the White-topped, except in color, which is red or purple above ground. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 75.

White Globe.—Root globular, skin smooth, perfectly white, flesh white. It grows to a large size. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 20; lb., 60.

White Top Strap-leaved.—Form roundish or flat, medium size, small top; one of the best. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 75.

YELLOW FLESH VARIETIES.

Early Yellow Finland.—A beautiful medium-size variety; flesh is tender, close grained; of a sweet, sugary flavor; an excellent garden variety. Per pkt., 5 cents; oz., 20; $\frac{1}{4}$ lb., 50; lb., \$1.50.

Large Yellow Globe.—Handsome, globular shape; color pale yellow with greenish top. One of the best for a general crop, either for table use or stock; keeps hard and brittle until late in Spring. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 75.

Petrowski.—Flesh dark yellow, similar in form to Egyptian Beet. Per pkt., 10 cents; oz., 15; $\frac{1}{4}$ lb., 30; lb., \$1.00.

Robertson's Golden Ball.—The most delicate and sweetest yellow-fleshed Turnip we know of; not large, but firm, hard, and of excellent flavor; keeps well, and as a table variety has no superior. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 75.

Seven Top.—A variety largely grown in the Southern States, where the tops are used for greens. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 75.

Teltow, or small Berlin.—The smallest variety grown; very early; fine grained and sugary. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 30; lb., \$1.00.

Yellow Aberdeen Purple Top.—Bulb globular, reddish purple above, and deep yellow below, tap-root small, flesh pale yellow, tender, sugary, and solid. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 75.

Yellow Malta.—A beautiful, symmetrical, small, early variety; skin smooth, bright orange yellow. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 30; lb., \$1.00.

Yellow Stone.—Similar in appearance to the Golden Ball; splendid for table, and highly recommended for feeding stock; excellent for late sowing, and in its keeping qualities unsurpassed. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 75.

SWEDISH or RUSSIAN TURNIP (*Ruta-Baga*).[*Brassica campestris*, *nabo-brassica*, LIN. *Chou Rutabaga*, FR. *Kohlrab in der Erde gelber*, GER. *Nabo Rutabaga*, SP.]

One ounce will sow one hundred and fifty feet of drill; two lbs. will sow an acre.

CULTURE.—Should be sown from the twentieth of June to the middle of July, in drills two feet apart, and thinned out at the first working to ten inches between each plant. The flesh is close grained, very hard, and will endure a considerable degree of cold without injury. The roots are best preserved in a pit or cellar during Winter, and are excellent for the table early in Spring.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Carter's Imperial Hardy Swede.—An English variety, highly recommended as producing extraordinary crops. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 20; lb., 70.

Improved American.—This variety is largely grown, both for table and for stock; flesh solid; of fine quality; keeps well until Summer. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 20; lb., 70.

Lain's Improved.—A handsome variety, of excellent quality; purple above and yellow under ground; almost perfect globe-shaped when well grown. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 20; lb., 70.

Long White French.—Flesh white, solid, mild, and sweet; excellent for the table, also for stock. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 75.

Skirving's Purple Top (Imported Seed).—An improved purple-top variety, of strong growth; large size; best suited to field culture and cattle feeding. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 20; lb., 70.

Sutton's Improved Champion Swede.—A favorite English variety. It is the hardiest, the heaviest cropping, and the most nutritious variety grown. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 75.

Sweet German.—Bulb four or five inches in diameter and six or seven in depth; neck two or three inches long; skin greenish brown above ground, white beneath; flesh pure white, of extraordinary solidity, very sweet, mild, well-flavored; retains its solidity and freshness until Spring. Per pkt., 5 cents; oz., 10; $\frac{1}{4}$ lb., 25; lb., 75.

POT, SWEET AND MEDICINAL HERBS.

Herbs in general love a mellow and free soil, and some pains should be taken in properly harvesting them in a dry state. The chief points are, first, to cut them when not quite in full blossom, and on a dry day to dry them quickly in the shade in a secure place, and when dry to pack them close in dry boxes or vessels, and keep them entirely excluded from the air. Sow the seeds early in Spring in shallow drills, and when they are up thin them out to a few inches apart.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Angelica Garden (*Archangelica officinalis*). Per pkt., 10 cents; oz., 20.

Anise (*Pimpinella anisum*). Per pkt., 5 cents; oz., 10; lb., \$1.00.

Arnica (*Arnica montana*). Per pkt., 10 cents; oz., \$2.00.

Balm (*Melissa officinalis*). Per pkt., 10 cents; oz., 40.

Basil, Sweet (*Ocimum basilicum*). Per pkt., 10 cents; oz., 30; lb., \$3.00.

Beane (*Sesamum orientale*). Per pkt., 5 cents; oz., 20.

Borage (*Borago officinalis*). Per pkt., 5 cents; oz., 20.

Belladonna (*Atropa belladonna*). Per pkt., 10 cents; oz., 75.

Bryonia (*Bryonia dioica*). Per pkt., 10 cents; oz., \$1.00.

Caraway (*Carum carvi*). Per pkt., 5 cents; oz., 15; lb., \$1.00.

Castor Oil Plant (*Ricinus communis*). Per pkt., 10 cents; oz., 20.

Coriander (*Coriandrum sativum*). Per pkt., 5 cents; oz., 20.

Dill (*Anethum graveolens*). Per pkt., 5 cents; oz., 15.

Fennel, Sweet (*Anethum feniculum*). Per pkt., 5 cents; oz., 15; lb., \$1.00.

Fenugreek (*Trigonella foenum græcum*). Per pkt., 5 cents; oz., 15.

Hemlock (*Conium maculatum*). Per pkt., 10 cents; oz., 50.

Henbane (*Hyosciamus niger*). Per pkt., 10 cents.

Horehound (*Marrubium vulgare*). Per pkt., 10 cents; oz., 40.

Hyssop (*Hyssopus officinalis*). Per pkt., 10 cents; oz., 40.

Lavender (*Lavendula vera*). Per pkt., 10 cents; oz., 25.

Marjoram, Sweet (*Origanum marjoram*). Per pkt., 10 cents; oz., 25; lb., \$2.50.

Opium Poppy (*Papaver somniferum*). Per pkt., 10 cents; oz., 30; lb., \$2.00.

Pot Marigold (*Calendula officinalis*). Per pkt., 10 cents; oz., 40.

Rosemary (*Rosemarinus officinalis*). Per pkt., 10 cents; oz., 50.

Rue (*Ruta Graveolens*). Per pkt., 10 cents; oz., 25.

Saffron (*Carthamus tinctorius*). Per pkt., 5 cents; oz., 15; lb., \$1.50.

Sage (*Salvia officinalis*). Per pkt., 5 cents; oz., 20; lb., 2.00.

Sage, Red (*Salvia sclarea*). Per pkt., 10 cents.

Stramonium (*Datura stramonium*). Per pkt., 10 cents; oz., 30.

Summer Savory (*Satureja hortensis*). Per pkt., 10 cents; oz., 20; lb., \$2.50.

Tansy (*Tanacetum vulgaris*). Per pkt., 10 cents.

Thyme (*Thyma vulgaris*). Per pkt., 10 cents; oz., 40; lb., 4.00.

Woodroof (*Asperula odorata*). Chief ingredient of the Maitrank. Per pkt., 10 cents.

Wormwood (*Artemisia absinthium*). Per pkt., 10 cents; oz., 30.

KITCHEN GARDEN ROOTS, PLANTS, etc.

Asparagus, Conover's Colossal.—One-year-old roots. Per hundred, 75c.; thousand, \$6.00.

Asparagus, Conover's Colossal.—Two-year-old roots. Per hundred, \$1.25; thousand, \$10.00.

One-year-old roots by mail, 25 cents per hundred extra; two-year-old roots are too bulky for mailing.

Plants of Cabbage, Cauliflower, Celery, Egg Plant, Peppers, Sweet Potatoes, Tomatoes, etc., will be ready in May. Special list sent on application.

Horse-Radish Sets.—Per dozen, 20 cents; hundred, 75; thousand, \$6.00.

Rhubarb, Myatt's Victoriana.—Each, 25 cts.; per doz., \$2.00; hundred, \$10.00. By mail, 40 cts. each.

Rhubarb, Linnaeus.—Each, 25 cents; per dozen, \$2.00; hundred, \$10.00. By mail, 40 cents each.

EARLY GOLDEN SWEET POTATO.

This variety originated in Virginia a few years since, by an old cultivator of the Sweet Potato. It is a sport of the old **Early Red**, but said to be far superior to that variety in earliness, productiveness, color, and quality. Slips planted May 10th produced tubers large enough for the market July 25th. On account of its early maturity, it is believed to be better adapted for cultivation in the Northern States than any other variety. In shape they are somewhat shorter than the ordinary varieties, of a golden yellow color, cook very dry, and are of superior flavor. Another valuable consideration in favor of this variety is, that they will grow on quite ordinary soil with but a slight coat of manure, and yielded a large crop the past season upon land that would not grow above fifteen bushels of corn to the acre. In good soil they will produce many specimens weighing three to five pounds each. It is also an excellent keeper.

We first offered this variety in spring of 1880, and have received many favorable notices from those who have tested it. It matured its crop as far north as Canada. Specimens have been exhibited weighing 6 pounds. Slips ready about May 15th; tubers, early in April.

Price of slips, with directions for planting, by mail, post-paid, 50 cents per dozen; \$1.00 for fifty; \$1.75 per hundred. By express, at purchaser's expense, \$1.00 per hundred, \$7.50 per thousand.

Price of Tubers, 60 cents per pound; 3 lbs., \$1.25 by mail. By express, at purchaser's expense, 5 lbs., \$1.00; 20 lbs., \$2.50; 50 lbs., \$5.00.

In addition to the above, we offer the Nansemond and Southern Queen varieties.

Prices of Sweet Potato Plants delivered in May or June.

Nansemond.—25 cents per dozen; 75 cents per hundred, by mail: 50 cents per hundred; \$4.00 per thousand, packed, by express.

Southern Queen.—25 cents per dozen; 75 cents per hundred, by mail: 50 cents per hundred; \$5.00 per thousand, by express.

COLLECTIONS OF KITCHEN GARDEN SEEDS.

A COMPLETE ASSORTMENT OF VEGETABLE SEEDS FOR ONE YEAR'S SUPPLY,
FOR A LARGE OR SMALL GARDEN.

The following collections are made up in the most liberal manner, care being taken to give a sufficient quantity of all the finest varieties and most useful sorts of Vegetables required in the Kitchen Garden for successive crops, and are prepared for immediate shipment during the busy season; consequently no change can be made in the quantities or varieties. For the different varieties, Peas, Beans, Beets, &c., contained in each collection, see our *Guide to the Flower and Kitchen Garden*. Those who do not wish for the entire collection, are advised to make up their orders from the body of the Catalogue.

Collections Nos. 1, 2, 3, 4 will be sent by express at the expense of the purchaser; Nos. 5, 6 and 7 are prepared expressly for forwarding by mail, and will be mailed, post-paid to any address in the United States, upon receipt of the price affixed.

ARTICLES.	Col. 1 for \$20 contains	Col. 2 for \$15 contains	Col. 3 for \$10 contains	Col. 4 for \$5 contains	Col. 5 for \$3.50 contains	Col. 6 for \$2 contains	Col. 7 for \$1 contains
Peas.....	8 qts.	5 qts.	4 qts.	3 pts.	1½ pt.	2 pkts.	
Beans.....	4 qts.	6 pts.	3½ pts.	1½ pts.	2 pkts.		
Beets.....	8 oz.	6 oz.	4½ oz.	2 oz.	1 oz.	3 pkts.	2 pkts
Borecole, or Kale.....	1 oz.	¾ oz.	½ oz.	1 pkt.			
Broccoli.....	1 oz.	½ oz.	2 pkts.	1 pkt.	1 pkt.		
Carrot.....	10 oz.	8 oz.	4 oz.	2 oz.	2 pkts.	2 pkts.	1 pkt.
Cauliflower.....	1 oz.	¾ oz.	2 pkts.	1 pkt.	1 pkt.	1 pkt.	
Cabbage.....	6 oz.	4 oz.	3 oz.	2 oz.	5 pkts.	4 pkts.	3 pkts
Celery.....	2 oz.	1½ oz.	4 pkts.	3 pkts.	2 pkts.	1 pkt.	1 pkt.
Corn.....	6 qts.	4 qts.	2 qts.	2 pts.	1 pt.	1 pkt.	
Cress.....	2 oz.	1½ oz.	1 oz.	½ oz.	1 pkt.	1 pkt.	1 pkt.
Cucumber.....	6 oz.	4 oz.	2 oz.	3 pkts.	2 pkts.	1 pkt.	1 pkt.
Endive.....	1 oz.	¾ oz.	½ oz.	1 pkt.	1 pkt.		
Kohl Rabi.....	1 oz.	¾ oz.	½ oz.	¼ oz.			
Leek.....	1 oz.	¾ oz.	½ oz.	½ oz.	1 pkt.		
Lettuce.....	4 oz.	3 oz.	1½ oz.	3 pkts.	2 pkts.	2 pkts.	1 pkt.
Musk-melon.....	6 oz.	4 oz.	2 oz.	3 pkts.	2 pkts.	2 pkts.	1 pkt.
Water-melon.....	4½ oz.	3 oz.	1½ oz.	3 pkts.	2 pkts.	1 pkt.	1 pkt.
Onion.....	4 oz.	3 oz.	2 oz.	1 oz.	3 pkts.	2 pkts.	1 pkt.
Okra.....	4 oz.	3 oz.	2 oz.	½ oz.	1 pkt.		
Parsley.....	2 oz.	1 oz.	½ oz.	¼ oz.	1 pkt.	1 pkt.	
Parsnip.....	5 oz.	4 oz.	2 oz.	1 oz.	2 pkts.	1 pkt.	1 pkt.
Pepper.....	1 oz.	¾ oz.	½ oz.	2 pkts.	1 pkt.	1 pkt.	
Radish.....	14 oz.	8 oz.	6 oz.	3 oz.	2 oz.	3 pkts.	1 pkt.
Spinach.....	1 lb.	12 oz.	8 oz.	4 oz.	1 oz.	1 pkt.	1 pkt.
Squash.....	8 oz.	6 oz.	4 oz.	2 oz.	4 pkts.	3 pkts.	2 pkts
Tomato.....	2½ oz.	1¾ oz.	1¾ oz.	4 pkts.	3 pkts.	2 pkts.	1 pkt.
Turnip.....	1 lb.	12 oz.	8 oz.	2 oz.	1½ oz.	2 pkts.	1 pkt.
Egg Plant.....	1 oz.	¾ oz.	½ oz.	1 pkt.	1 pkt.	1 pkt.	
Sweet and Pot Herbs.	7 pkts.	6 pkts.	5 pkts.	4 pkts.	3 pkts.	1 pkt.	

SEEDS FOR HEDGES.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Acacia, Three Thorned, or Honey Locust (*Gleditsia triacanthos*).—Very hardy and effectual for protection against man or beast; admirably adapted for the prairies. Per lb., 60 cents.

Buckthorn (*Rhamnus Catharticus*).—Clean seed. Per oz., 15 cents; lb., \$1.50.

Yellow Locust (*Robinia pseudo acacia*).—Per oz., 10 cents; lb., 60.

Osage Orange (*Maclura Aurantiaca*). 33 lbs. to the bush. Per oz., 10 cents; lb., 75; bush., \$9.00.

Barberry (*Berberis vulgaris*).—Very hardy, producing a fine compact hedge, affording ample security against intrusion; also valuable for its fruit, which is excellent for preserving. Per oz., 20 cents; lb., \$2.00.

MISCELLANEOUS SEEDS, Etc.

By mail, 25c. per quart, 16c. per pound additional for postage.

Broom Corn, Improved Evergreen.—This seed was carefully saved from brush, none of which was less than 20 inches in length, and stalks not over 4 feet in height. Per qt., 25 cents; bush., \$4.00.

Broom Corn, Dwarf.—Grows from 3 to 5 feet high. Per qt., 25 cents; per bush., \$4.00.

Broom Corn, California.—Per qt., 30 cents.

Cotton, Sea Island.—Per lb., 25 cents.

Cotton, Upland.—Per lb., 25 cents.

Flax Seed.—Clean. Per qt., 25 cents; bush., \$4.00.

Jute Seed.—Per oz., 25 cents; lb., \$3.00.

Lupins.—Per quart, 50 cents.

Madder.—The roots of this plant, when dried and ground, furnish a red coloring matter, much used by dyers. Per lb., \$1.00.

Ramie, or China Grass (*Urtica Nivea*).—A new fibrous plant, much used by the Chinese for the manufacture of a fine silk summer cloth. Will grow where cotton can be raised. Per oz., \$2.00.

Sainfoin.—Double cutting. Per lb., 40 cents.

Spurry (*Spergula Arvensis*).—A useful fodder plant for light sandy soils. Per lb., 25 cents.

Sunflower.—Per qt., 30 cents; bush., \$5.00.

Tarragon.—The aromatic properties of this plant are greatly esteemed for culinary purposes. Seeds, per pkt., 25 cents; roots, doz., \$3.00.

Tenels.—For fullers' use. Per lb., 40 cents.

Verches, Spring.—Much used as a forage plant; also a substitute for Peas. Per qt., 25 cents; bush., \$4.00.

KENNEY'S EARLY AMBER SUGAR CANE.

In this variety we have a plant that is destined to prove of immense value to the northern portion of our country. It has been tested in Minnesota for several years past. A large grower gives the following statement to the State Commissioner:

Planted on the 27th of May, on new land, it was ripe before frost. Its saccharine qualities are of the first order, and its earliness highly recommends it to the whole country. It is not easily blown down, and usually grows eleven and twelve feet high with us. When planted between the 1st and 10th of May, the seed almost invariably ripens, thus giving the advantage of a double crop in one year from one planting. If skillfully handled it will yield some 20 or 25 bushels of seed and 150 or more gallons of fine syrup per acre. All kinds of farm stock are fond of the seed; when ground and mixed with bran it makes a good heavy feed for horses. We have seen sugar produced from this variety equal to the best coffee sugars in the market.

By mail, 40c. per lb. When sent by express at purchaser's expense, 15c. per lb.; per 100 lbs., \$10.00.

EUCALYPTUS GLOBULUS, or Australian Fever Gum Tree.

This is now being extensively planted in our Southern States and in California, where it has become famous for draining damp soils and destroying malaria. It is believed by many that when this tree has been extensively planted in the swampy and malarious districts in the Southern States, they will be equally as healthy as any other portion of the country. Per pkt., 25 cents; oz., 75; ¼ lb., \$2.00; lb., \$7.00. We can offer several other varieties of Eucalyptus, from Australia, at 25 cents per packet.

DIOSCOREA BATATAS—NEW CHINESE YAM.



Root one year old—1-6 ordinary size.



Bulblets—average size.

One of the most valuable esculents in cultivation, though but little known. Stem twelve to twenty feet in length, of rapid growth, of creeping or climbing habit, forming an excellent covering for a screen; flowers small, white, in clusters; leaves heart-shaped. The root is of a pale russet color, oblong, regularly rounded, club-shaped, largest at the lower end. Plant in a deep, light soil, tolerably rich and thoroughly stirred two feet deep. A well-grown root will measure 2 feet in length and 2½ inches in its broadest diameter, and are quite hardy, remaining in the ground over Winter without protection. The flesh is remarkably white, and very mucilaginous in its crude state. They may be boiled or roasted, and when cooked possess a rice-like taste; are quite farinaceous, nutritive and valuable for food. It is also a very desirable climbing plant, suitable for covering screens, arbors and unsightly places. A few tubers planted near a door or window, and the vines trained over and about it, make an ornament worthy the admiration of all. The flowers are numerous, and have a cinnamon fragrance; but the vines do not blossom until the roots are two years old. There is scarcely any difference, perceptible to the taste, between a Chinese Yam, when properly cooked, and the potato, though the yam is much whiter and finer grained. One-year-old roots, \$1.25 per dozen; \$6.00 per hundred. Bulblets, 20 cents per dozen \$1.50 per hundred.

REANA LUXURIANS (Teosinte).

Much has been spoken lately in the agricultural and horticultural papers of this gigantic graminæa, both as an ornamental as well as a forage plant. It is a native of Central America; perennial in hot climates, it will not stand our winters; resembles Indian corn in aspect and vegetation, but produces a great number of shoots, growing three to four yards high, thickly covered with leaves, and yielding such an abundance of forage that one plant is estimated to be sufficient to feed a pair of cattle for twenty-four hours. In our northern countries, it is doubtful whether it will be available for forage, but it will certainly find its place in large gardens as a decorative plant, for sowing in Spring in pots and planted in May, in the open ground, it will produce a mass of shoots, forming a large bunch of more than a yard in diameter by three yards in height. Per packet, 15 cents; oz., 25; lb., \$3.00.



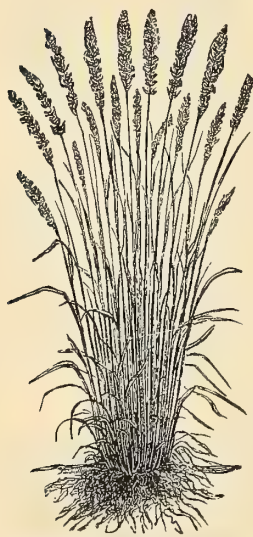
Perennial Rye Grass.



Meadow Fescue Grass.



Orchard Grass.



Crested Dog's Tail Grass.



Sweet Vernal Grass.



Sheep's Fescue Grass.

GRASSES.

GRASS SEEDS.

Subject to slight variations in price to correspond with the market.

If by mail in quantities of 4 ounces and upwards, postage must be added at the rate of 16c. per pound.

Red Top Grass (*Agrostis Vulgaris*).—Valuable for pasturage; is well known and extensively cultivated; 14 lbs. to the bush.; 2 to 3 bush. will sow 1 acre. Per lb., 15 cents; bush., \$1.50.

Creeping Bent Grass (*Agrostis Stolonifera*).—A valuable variety for lawns or croquet grounds, or for permanent pasture; 15 lbs. to the bush., 2 to 3 bush. to the acre. Per lb., 30 cts.; bush., \$3.50.

Meadow Foxtail (*Alopecurus Pratensis*).—This is one of the best and earliest of pasture grasses; it thrives best on meadow lands; 7 lbs. to the bush., 25 lbs. to the acre. Per lb., 50 cents.

Sweet Scented Vernal Grass (*Anthoxanthum Odoratum*).—Permanent pasture should not be without this variety, as it is of good quality and very early; also very fragrant; 10 lbs. to the bush., 30 lbs. to the acre. Per lb., 40 cents.

Rhode Island Bent (*Agrostis Canina*).—An excellent variety for lawns and pasturage; 11 lbs. to the bush., 2 to 3 bush. to the acre. Per bush. \$3.50.

Schraeder's Brome Grass (*Bromus Schraederi*).—A forage plant from Australia, particularly recommended for resisting the drouth better than any other variety, and will thrive on any soil, except where there is superabundance of moisture; yields two good crops in a season; 16 lbs. the bush., 35 lbs. to the acre. Per lb., 50 cents.

Crested Dogstail (*Cynosurus Cristatus*).—This grass, forming a close turf, and having rather fine foliage, may be advantageously sown on lawns and other places to be kept under by the scythe; it is also useful for very dry or gravelly soils; 28 lbs. to the bush., 25 lbs. to the acre. Per lb., 50 cents.

Orchard Grass (*Syn. Round Cocksfoot.*) (*Dactylis Glomerata*).—A valuable grass on account of the quantity of nutritious feed which it yields, and the rapidity with which it grows after being cut or grazed; if allowed to stand for hay it has rather a coarse appearance, but if grazed it always has a fresh green hue; 14 lbs. to the bush., 3 bush. to the acre. Per lb., 25 cents; bush., \$2.75.

Hard Fescue Grass (*Festuca Duriuscula*).—Will thrive in a great variety of soils, and resist the effect of drouth in a remarkable degree; from the fineness of its foliage it is well adapted for lawns or a sheep pasture, and its habit of reproduction after sowing is very great; 12 lbs. to the bush., 30 lbs. to the acre. Per lb., 30 cents.

Meadow Fescue (*Festuca Pratensis*).—This thrives in all soils, excellent for a permanent pasture, is well liked by all kinds of stock; 15 lbs. to the bush., 40 lbs. to the acre. Per lb., 40 cents.

Tall Fescue (*Festuca Elatior*).—A robust variety; succeeds admirably in moist soils or where the meadows are subject to floods; 15 lbs. to the bush., 40 lbs. to the acre. Per lb., 40 cents.

Sheep's Fescue (*Festuca Ovina*).—This grass forms a greater part of the sheep pastures of the English Southdowns; it should always enter into the composition of pastures in which sheep are to be pastured, as they are very fond of it, and mutton from such pasture is of the finest flavor; 12 lbs. to the bush., 25 lbs. to the acre. Per lb., 25 cents.

Red Fescue (*Festuca Rubra*).—Especially suitable for dry, loose soils; 12 lbs. to the bush., 25 lbs. to the acre. Per lb., 40 cents.

Darnel-spiked Fescue (*Festuca Loliacea*).—One of the most valuable grasses in cultivation, either for permanent pasture or lawns; it springs early, is very productive, very nutritious, and improves by age; it thrives on all good soils, and increases in bulk if pastured for many years; 12 lbs. to the bush., 40 lbs. to the acre. Per lb., 60c.

Rough Stalked Meadow Grass (*Poa Trivialis*).—Produces a constant supply of highly nutritious herbage, particularly on damp soils; one of the most valuable for laying down pastures and meadows on soils either moist or moderately dry; 14 lbs. to the bush., 25 lbs. to the acre. Per lb., 35c.

Wood Meadow Grass (*Poa Nemoralis*).—There is no grass better adapted for pleasure grounds, particularly under trees, as it will not only grow in such places, but forms a fine sward where few other grasses can exist; 14 lbs. to the bush., 25 lbs. to the acre. Per lb., 40 cents.

Kentucky Blue Grass, or Smooth Meadow Grass (*Poa Pratensis*).—This grass yields, at a very early period of the season, herbage of the most nutritious properties; thrives in moderately dry soils; extensively grown in many parts of the country; 14 lbs. to the bush., 1½ bush. to the acre. Per lb., 20 cents; bush., \$2.00.

Timothy, or Herd's Grass (*Phleum Pratense*).—Very productive, and thrives on almost any soil; for laying down strong, tenacious and moist soils it should form a considerable portion of the mixture required for husbandry or permanent pasture; it is also very profitable when grown alone; 45 lbs. to the bush., ½ bush. to the acre; price according to market.

Reed Canary Grass (*Phalaris Arundinacea*).—Grows well by streams or marshes; 25 lbs. to the acre. Per lb., 75 cents.

Meadow Soft Grass (*Holcus Lanatus*).—Grows from 1½ to 2 feet high; thrives in almost any soil; useful for orchards or pastures overhung with trees; 3 bush. to the acre, 7 lbs. to the bush. Per lb., 40 cents; bush., \$2.50.

English Rye Grass (*Lolium Perenne*).—Very nutritious, and valuable for permanent pastures; 24 lbs. to bush., 3 bush. to acre. Per bush., \$2.50.

Italian Rye Grass (*Lolium Italicum*).—For alternate husbandry this is invaluable, especially for early sheep feed and soiling; 18 lbs. to the bush., 3 bush. to the acre. Per bush., \$2.75.

The two varieties of Rye Grass are very largely used in Europe, and enter largely into the composition of the many mixtures recommended for various soils.

Yellow Oat Grass (*Avena Flavescens*).—Should be sown with other varieties, such as Crested Dogstail or Sweet Vernal; valuable for dry meadows and pastures; 8 lbs. to the bush., 35 lbs. to the acre. Per lb., 75 cents.

NOTE.—When large shipments of the above are required, special quotations will be furnished.

CLOVERS.

By mail 16 cents per pound additional.

Red Clover (*Trifolium Pratense*).—Large or Pea vine. Market price.

Red Clover.—Medium. Market price.

White Clover (*Trifolium Repens*).—Per lb., 40c.

Lucerne Clover (*Medicago Sativa*).—Per lb., 45c.

Alfalfa or Chilian Clover.—Per lb., 35 cents.

Alsike or Hybrid Clover.—Per lb., 35 cents.

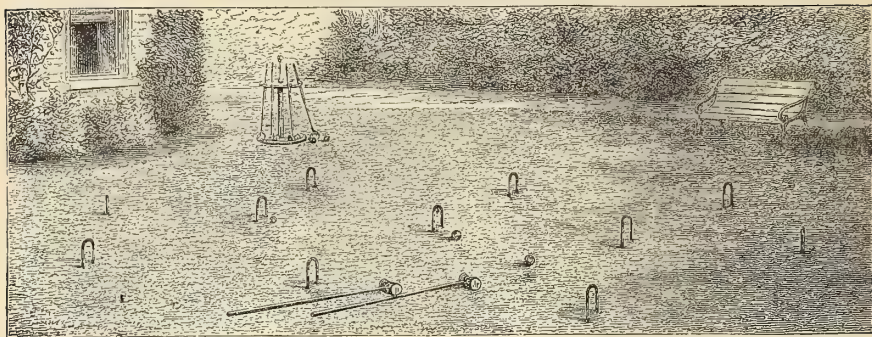
Italian Clover (*Trifolium Incarnatum*).—Scarlet. Sow in July for soiling or mowing before Winter. 20 lbs. to the acre. Per lb., 40 cents.

Bokhara Clover (*Melilotus Leucantha*).—Affords excellent feed for bees. Per lb., 60 cents.

Trefoil Yellow (*Medicago Lupulina*).—Hop clover. 15 lbs. to the acre. Per lb., 40 cents.

GRASS SEEDS.

FOR LAWNS, CROQUET GROUNDS, ETC.



THE PREPARATION OF LAWNS AND THEIR MANAGEMENT.

In the formation of lawns the ground should be thoroughly cleansed of root weeds before sowing. It should be dug or trenched to an equal depth to prevent unequal settlements; and to secure this, it should be repeatedly trodden, rolled and leveled, until at last a firm and uniform surface is obtained. The selection of proper grass seeds is the next important matter, and this requires more than ordinary attention, that the kinds of grass be suited both to the purpose and soil, and that the mixture of these grasses be proportioned to suit the end in view. Our mixtures are prepared to suit all soils and situations, and whether used in pasture or lawns have invariably borne the best results. It is of great importance that we should be acquainted with the nature of the land, which enables us to furnish mixtures composed of grasses best adapted for the purpose. It must be remembered, however, that much of the fine appearance of our Lawns depends upon regularity in mowing; if they are left too long in Spring before the operation is commenced, or if allowed to grow strong in Summer; and, more especially, if not closely mown at the latest period in Autumn, they become coarse, the stronger grasses overgrowing the weaker and the best, the smoothness of the surface is destroyed, and ultimately the whole becomes patchy and unsightly. For this purpose we cannot recommend too strongly the **Excelsior Lawn Mower**. The improvement in many of the lawns in this country where this mower has been used, since its introduction a few years since, is truly wonderful, and no one who wishes for a fine smooth lawn can afford to dispense with it. All lawns should also be regularly rolled, and, unless the subsoil be a porous alluvial gravel, should be thoroughly drained at their formation, and a drain should be carried along at the bottom of each terrace slope, so that they may at all times be comfortable to walk upon. The seed may be sown in Spring or Fall; but if sown in hot weather, a slight sowing of oats among the grass, which vegetates quickly, will serve to protect the springing grass. For forming new lawns three bushels are required per acre, or about four quarts to six rods of land, which should be regularly and evenly distributed,—the Philadelphia Seed-Sower, noticed on another page, will be found a most useful implement for this purpose,—15 pounds to the bushel.

If by mail, postage must be added at the rate of 8c. per quart.

Lawn Grass.—**Central Park mixture**; composed of dwarf, and close growing grasses, which, properly managed, produce a fine velvety lawn and permanent sod. Per qt., 25 cents; bush., \$5.00.

Lawn Grass, French.—For Croquet grounds and small plots. Per qt., 20 cents; bush., \$4.00.

Lawn Grass.—**Fine mixture**; a second quality of

the above; recommended for large areas. Per qt., 15 cents; bush., \$3.50.

Lawn Grass.—Mixture of best grasses especially adapted for shady situations, such as orchards, shrubberies, &c. Per qt., 25 cents; bush., \$5.00.

Flint's Mixture.—For permanent grass land; adapted for various kinds of soils. Per bush., \$5.00.

BIRD SEEDS, Etc.

By mail 25 cents per quart, 16 cents per pound additional for postage. Prices variable.

Canary (*Phalaris canariensis*).—Per qt., 20 cents.
Hemp (*Cannabis sativa*).—Per qt., 20 cents.
Maw (*Papaver rhæas*).—Per lb., 25 cents.
Millet (*Panicum miliaceum*).—Per qt., 15 cents.

Rape (*Brassica napæ*).—Per qt., 25 cents.
Rice, unhulled (*Oryza sativa*).—Per qt., 25 cents.
Lettuce (*Lactuca sativa*).—Per oz., 10 cents; lb., 50.
Mocking-Bird Food (prepared).—Per bottle, 50c.

FRUIT SEEDS.

By mail 25 cents per quart, 16 cents per pound additional for postage. Prices variable.

Pear Seed (*Pyrus communis*).—Per oz., 25 cents; lb., \$2.00.
Quince Seed (*Cydonia vulgaris*).—Per oz., 35 cents; lb., \$3.50.
Apple Seed (*Pyrus malus*).—Per qt., 40 cents; bush., \$6.00.
Plum Pits (*Prunus communis*).—Per qt., 50 cents; bush., \$8.00.

Apricot Pits (*Armenica vulgaris*).—Per oz., 10 cents; lb., 75.
Cherry Mahaleb (*Cerasus Mahaleb*).—Per lb., 75c
Cherry Mazzard (*Cerasus communis*).—Per qt., 25 cents.
Currant Seed, red and white (*Ribes*).—Per oz., 50 cents.
Peach Pits.—Per qt., 10 cents; bush., \$1.50.

GRAINS.

In order to give these varieties a thorough trial, we offer \$210 in premiums to those who produce the largest quantity of seed from one packet of the seed, and for the twenty best and heaviest heads of both the varieties of Wheat and Oats. Please state, with the order, if you desire to compete for Premiums. See color supplement for particulars of premiums; or circulars, with full particulars, mailed free on application.

PRINGLE'S NEW CEREALS.

We take much pleasure in offering the following newly hybridized varieties of Spring Wheats and Oats, originated by Mr. C. G. Pringle of Northern Vermont, the well-known and successful hybridizer of Potatoes and Grain, and the originator of the celebrated Champlain and Defiance Spring Wheats, Snowflake Potatoes, etc., which have given universal satisfaction wherever they have been introduced, not only in this country, but in Europe and Australia. The following varieties are believed to possess qualities superior to any hitherto introduced, and we offer them fully confident that they will give satisfaction to those who may wish to give them a trial.

Our stock of the Oats and Wheat being limited, and wishing them to be tested as extensively as possible in all parts of the country, we shall offer them only in one-ounce packets.

PRINGLE'S AMERICAN TRIUMPH OATS.



It is with great pleasure that we introduce to public notice, and offer for sale, this new variety of Oats, being fully convinced of its rare excellence and great superiority over the older varieties now cultivated. The valuable services which Mr. C. G. Pringle, of Vermont, has rendered to the farming world are too well known to every progressive agriculturist to require mention here, yet it will be proper to state that the "American Triumph Oats" are justly considered the "Crowning Triumph" of Mr. Pringle's persevering and laborious experiments in hybridizing cereals.

This variety, now offered for the first time, is a cross between the Excelsior and the Waterloo Oats, combining, in a remarkable degree, the excellent qualities of both. To present a clearer idea of the character of its growth than words could give, we had a photograph taken from a sheaf chosen at random in the field. The man holding the sheaf was 5 feet 10 inches high, so that, by comparison, the proportionate sizes are readily seen in the annexed illustration.

The average height, as the grain stands in the field, is six feet, yet the straw is so strong and firm that it holds up well, without lodging, the tall, luxuriant heads filled with plump, heavy grains. The quality and productiveness of the grain are unexcelled, yielding from 50 to 100 bushels per acre, according to the condition and state of fertility of the land.

The crop from which our seed was obtained has, while standing on the field, been examined by many experienced Oat-growers, all of which declared that they never saw anything to equal the "American Triumph Oats" in health and vigor of straw or in yield and weight of grain.

25 cents per packet of 1 ounce; 5 packets, \$1.00.

PRINGLE'S ADAMANT WHEAT.

In this variety we have one of the hardest and most flinty varieties in cultivation, very productive, hardy, and vigorous. It is a beardless white chaff variety, with long narrow heads closely set with medium sized amber colored kernels which produce flour of very superior quality. Straw, yellowish white, very stiff and erect, averaging about 4 feet in height. For cultivation in the North-west, Colorado, and the Pacific coast, where hard wheat is the favorite sort, we are confident that this will be particularly desirable. Price 25 cents per packet of 1 ounce, 5 packets, \$1.00.

PRINGLE'S GREEN MOUNTAIN WHEAT.

This is another beardless variety of great promise. It has been grown for the past two years by one of the most experienced wheat cultivators in Northern Vermont, in close proximity to the Green Mountains, who pronounces it the best he has ever grown. The straw averages about 4 feet, light yellow, very strong, and free from rust. Heads average 4 to 5 inches in length, somewhat tapering, kernels white, large, and plump, very hardy and productive, and well worthy the attention of every wheat grower. Price 25 cents per packet of 1 ounce, 5 packets, \$1.00.

**PRINGLE'S NEW HYBRID SPRING WHEATS.**

The above are actual representations of some of the heads selected from wheat grown in a field with ordinary farm culture.

Grain in quantities of $\frac{1}{2}$ bushel and upward should be shipped in canvas bags, which we can supply at following rates: $\frac{1}{2}$ bushel, 15 cents; 1 bushel, 20 cents; 2 bushels, 25 cents. Customers will please add cost of bags to remittance when ordering.

SPRING WHEAT.

PRINGLE'S NEW HYBRID SPRING WHEATS.

The two following varieties were first offered by us in 1878, and the most satisfactory reports of their yield and quality have been received from growers in all sections of the country. Some of the reports received concerning these varieties were truly wonderful, and showed what good culture and good seed will do. One pound of Champlain produced 761 pounds, and one pound of Defiance produced 528 pounds, and many of the best heads measured from six to seven inches in length, and produced from eighty to ninety kernels per head. They were awarded a diploma by the American Institute in 1879, and were also awarded the first and second prizes at the Intercolonial Exhibition at Sydney, N. S. W., Australia, in April, 1879, as the best new varieties exhibited.

Champlain (791 pounds of this variety were grown from one pound of seed).—Was produced by Mr. Pringle, in his endeavors to unite the remarkable hardness of the Black Sea with the fine and superior quality of the Golden Drop. A continued careful selection fully established its character, and we have a Wheat bearded like the Black Sea, with the white chaff of the Golden Drop, free from rust and smut, yielding a lighter colored grain than the former, and producing a flour of superior quality. Its strong and vigorous straw stands erect, and frequently bears, with very ordinary culture, heads from five to six inches in length, containing from sixty to seventy-five kernels each. By mail, 40 cents per pound. Three pounds for \$1.00. Per peck, \$1.50; per bushel, \$4.50.

Defiance (528 pounds of this variety were grown from one pound of seed).—This is the result of experiments by Mr. Pringle to incorporate superior qualities upon the hardy stock of our common Club Wheat, by hybridizing it with one of the best sorts of the Pacific coast.

It is of great productiveness, vigor, and hardness; is a beardless white chaff Wheat, with heads frequently five to six inches long, closely set with large white kernels, frequently numbering seventy-five to eighty to the single head. Its white, stiff, erect straw, exempt from the attack of rust, its earliness, combined with great vigor and superior qualities, render it invaluable. By mail, one pound, 40 cents; three pounds for \$1.00. Per peck, \$1.25; bush., \$4.00.

Bush.

White Russian.—This variety has proved very valuable in the North-western States. Straw of good length, strong, does not lodge, is not inclined to rust; heads large and well filled..... \$2.50

China Spring.—A white chaff, bearded variety; produces long heads well filled with plump kernels. 3.00

Mediterranean Spring.—This variety is bearded, yields well, and the kernels are very large..... 3.00
Three pounds of either of above, by mail, \$1.00.

WINTER WHEAT.

Fultz.—A beardless amber variety, very hardy and productive; straw of medium length and strong; makes excellent flour. Three pounds, by mail, \$1.00; bushel, \$2.25.

Seneca or Clawson.—Is a smooth white Wheat, with red chaff, a superior variety. Three pounds, by mail, \$1.00; bushel, \$2.25.

Red Mediterranean.—This is the imported variety, fully acclimated. Heads bearded, well filled; succeeds well in nearly all localities; ripens early. Three pounds, by mail, \$1.00; bushel, \$2.25.

RYE.

Thousand-Fold.—A desirable European novelty, producing enormous heads from six to eight inches in length; grains very large and full; and, as its name implies, an unusually prolific variety. By mail, 75 cents per pound; three pounds for \$2.00. Per express, at purchaser's expense, \$5.00 per peck.

Winter Rye.—White, of a superior quality. Three pounds, by mail, \$1.00..... per bushel, \$1.50

Spring Rye.—Three pounds, by mail, \$1.00 " " 1.75

BARLEY.

Kinver Chevalier.—An English variety, surpassing all ordinary kinds in its enormous yield from thin seeding, and in excellence of grain, the latter being thin-skinned, bright, plump, and very heavy; the straw is of good length and quality. It answers well in all soils, having been grown with great success in many different localities. By mail, 40 cts. per lb.; 3 lbs., \$1.00.

Two-Rowed.—Three pounds, by mail, \$1.00..... per bushel, \$1.75

Four-Rowed.—Three pounds, by mail, \$1.00 " " 2.00

SILVER-HULL BUCKWHEAT.

This variety is a great improvement upon the ordinary Buckwheat. Sown at the same time as the common Buckwheat, it continues in bloom longer, matures earlier, and yields nearly double under the same conditions. The grain is of a beautiful light gray color, varying slightly in shade, and the corners are much less prominent than in the ordinary variety, while the husk is thinner, thereby saving from fifteen to twenty per cent. waste in the process of manufacturing into flour. Price, per peck, 75 cents; bushel, \$2.00. By mail, one pound, 40 cents; three pounds, \$1.00.

Buckwheat, common.—Per bushel, \$1.25; three pounds, by mail, \$1.00.

OATS.

PRINGLE'S HYBRIDIZED EXCELSIOR HULLESS OATS.

With a view to impart to the hullless species the size of plant, vigorous habit, and productiveness of one or other of the favorite hulled sorts, Mr. Pringle, among other experiments, hybridized the well-known Excelsior Oats with the Chinese Hullless, and the experiment proved, beyond question, highly successful, the result being the variety now offered.

It is quite distinct from the Chinese, with splendid straw, tall and stiff as that of the Excelsior, and with a panicle as broad and numerously seeded as in that variety. It is exceedingly prolific, being equal in yield to the best hulled varieties, and double that of the Chinese hullless oats. As a variety for milling purposes, the **Excelsior Hullless** is destined to become rapidly popular, not alone on account of absence of husk and freedom from bran, but also on account of the enormous size of the grain, and the excellent and nutritious quality of the meal produced from it.

Price per peck, \$2.50; bushel of 32 lbs., \$7.00; trial packages, by mail, 60 cents per lb., 3 lbs., \$1.50.

Challenge.—This splendid White Oat is rapidly superseding the older varieties, being unrivaled for productiveness and fine quality. It produces long, stout straw, with neat panicle completely covered with close-set, plump, heavy grains; of excellent quality. Three pounds, by mail, \$1.00; by express, at purchaser's expense, per bushel, \$1.50.

Mold's Selected Black Tartarian.—One of the most prolific of all Black Oats, and has attained an extraordinary reputation wherever grown. Three pounds, by mail, \$1.00; by express, at purchaser's expense, per bushel, \$2.00.

White Probstester.—Three pounds, by mail, \$1.00; per bushel of 32 lbs., \$1.25.

White Russian.—An extremely handsome, hardy, and wonderfully prolific variety, with strong, bright straw, which, so far, has been entirely free from rust. The heads are of enormous length, well filled with plump, heavy grain of great nutritive qualities, which renders it very valuable for feeding purposes. Three pounds, by mail, \$1.00; per bushel of 32 lbs., \$1.50.

Washington.—A distinct variety, yielding at least one-third more than the common sorts; straw stiff and heavy, and standing well until fully ripe. Three pounds, by mail, \$1.00; per bushel of 32 lbs., \$1.50.

FORAGE PLANTS.

Pearl, or Egyptian Millet.—This is quite distinct from all other species, and is without doubt destined to take a place in the front rank of valuable forage plants. Sown in light sandy soil, the plants at first appear feeble, resembling broom corn; but when a few inches above ground they begin to tiller, and new shoots appear very rapidly from the original root. The stems at first are nearly prostrate, but when about two feet long they begin to assume an upright position, reaching a height of eight to ten feet, not differing in color or substance from our common Indian corn. When cultivated for fodder, the seed should be dropped in drills and given plenty of room, on account of the peculiar habit of tillering; the fodder is in the best condition for cutting and curing when the stalks are five or six feet high; but, if used for soiling, it might be cut earlier or later, at the convenience of the cultivator; the stumps, sprouting and throwing up a new growth, continue to grow until killed by frosts. Per oz., 10 cents; $\frac{1}{4}$ lb., 20; 1 lb., 50, by mail, post-paid; by express or freight, at expense of purchaser, 30 cents per lb.; 10 lbs., \$2.50.

German, or Golden Millet.—Golden Millet is of extraordinary value, and coming into great favor as an annual hay and fodder crop. It is medium early; height 3 to 5 feet; heads closely condensed, spikes very numerous; seeds round, golden yellow, in rough, bristly sheaths. Per bush., \$2.50.

Hungarian (Grass) Millet (*Panicum Germanicum*).—Early; height 2 to 3 feet; abundant foliage and slender head; withstands drought and yields well on light soils. Per bush., \$2.00.

Common Millet (*Panicum Miliaceum*).—Very early; height 2 to 3 feet; foliage broad and very abundant; heads very open, branching panicles; seeds glossy oval, somewhat flattened. Per bush., \$2.00. Three pounds of either of above, by mail, \$1.00.

The above varieties should be cut when in blossom. Prices quoted are subject to fluctuation.

Rural Branching Durra.—This is a wonderfully productive fodder plant, is superior to drill corn for soiling silos, or dry fodder, and possesses the following advantages: It yields five hundred per cent. more feed. It is more highly relished by stock. It imparts a better color to butter. It withstands drought better, producing heavy crops where drill corn burns up. It is essentially different from all other Durras, from the fact that they produce but one stalk, whereas this variety throws up from six to sixteen stalks from each seed. It starts a new growth readily after being cut for fodder, and will, in this way, produce two or three crops a season. It is usually planted in four-foot rows, and three feet apart in the drills, and when well up thinned out to two stalks in the hill, and cultivated like corn. Five pounds is sufficient for an acre. Price by mail, post-paid, per pkt., 10 cents; $\frac{1}{4}$ lb., 15; 1 lb., 50.

Durra (*Sorghum Vulgare*).—This is a valuable forage plant, growing from 8 to 10 feet in height, and yielding an abundance of grayish-green foliage, greatly relished by stock.

For fodder, sow in drills from 2 to 3 feet apart, dropping the seeds 3 to 4 inches apart in the drill; when 6 or 8 inches high, thin to about 8 or 9 inches apart; and when it has attained a height of 4 or 5 feet, it may be cut for forage, which can be continued every third or fourth week until frost. Prices by mail: per oz., 10 cents; 1 lb., 45 cents. By express, at purchaser's expense, 25 cents per lb.

Prickly Comfrey.—This plant is specially adapted for the feeding of stock and for increasing the milk of cows. It produces on a given space a far greater quantity of forage than any other green soiling plant. Being deep rooted, it withstands protracted drought in a remarkable degree, and affords abundance of forage until cut down by severe frost. It is propagated by subdivision of the roots, about 4,000 sets being required for an acre. Descriptive circulars, giving directions for culture, mailed to all applicants.

We will supply roots of the above at the following prices, post-paid by mail: 4 oz., 20 cents; 8 oz., 30 cents; 1 lb., 50 cents. By express, freight paid by purchaser, per lb., 40 cents; 5 lbs., \$1.50.

One pound of the roots will make about one hundred cuttings; they can be cut smaller if desired.

AGRICULTURAL IMPLEMENTS.

PLOWS.

EAGLE PLOWS.

Kinds.	Nos.	Plain.	With Wheel.	R. Wheel and Cutter.
Light Horse.....	18	\$3.90	\$5.20	
Medium Horse.....	18½	4.25	5.60	\$7.10
One Horse.....	19	5.00	6.50	8.00 \$9.50
Light Two Horse....	19½	6.00	7.50	9.00 10.75
Two Horse.....	20	7.00	8.50	10.00 12.00
Two Horse.....	21	7.75	9.25	10.75 12.50

THE SILVER EAGLE PLOWS.

Description.	Nos.	Plain.	With Wheel.	R. Wheel and Cutter.
One Horse.....	104	\$6.00	\$7.50	\$9.00 \$10.75
Two Horse.....	105	8.00	9.50	11.00 12.75
Two or Three Horse	106	9.00	10.50	12.00 13.75
Three Horse.....	107	10.00	12.00	13.50 15.25

SIDE-HILL OR SWIVEL PLOWS.

Description.	Nos.	Plain.	With Wheel.	R. Wheel and Cutter.
Light Horse.....	0	\$5.00	\$6.50	\$8.00 \$9.75
One Horse.....	00	6.50	8.00	9.50 11.25
Two Horse.....	B 1	8.00	9.50	11.00 12.75
Sod.....	A 1½	9.50	11.00	12.50 14.25
Sod.....	A 2	11.00	12.50	14.00 15.75
Large Sod.....	A 3	12.00	13.50	15.00 16.75
Heavy Road.....	A 4	14.00	15.50	17.00 18.75
Large Sod.....	83	13.50	15.00	16.50 18.25

CABBAGE PLOWS.

No. 2, M.....	\$4.00
No. 19.....	4.00
No. 1½.....	4.00

DOUBLE MOLD PLOWS.

Description.	Nos.	Plain.	With Wheel.
Light Horse.....	1	\$4.75	\$6.25
Light Horse.....	1½	5.00	6.50
One Horse.....	1½	5.75	7.25
Heavy Horse.....	2	6.25	7.75

ALLEN'S POTATO PLOWS.

Iron.....	\$12.00
Steel.....	25.00

CHARTER OAK SWIVEL PLOWS.

Description.	Nos.	Complete
One Horse, 5 to 6 inches deep, 8 to 10 inches wide.....	140	\$10.00
Light Two Horse, 6 to 7 inches deep, 10 to 12 inches wide.....	150	14.00
Medium Two Horse, 7 to 8 inches deep, 12 to 14 inches wide.....	160	15.00
Heavy Two Horse, 8 to 9 inches deep, 14 to 16 inches wide.....	170	17.00

MINER'S PATENT "GOLD MEDAL" SUBSOIL PLOWS.

Description.	Nos.	Plain.	With Wheel.	Wheel and D. Rod.
One Horse.....	16	\$8.00	\$9.50	\$11.00
Two Horse.....	17	10.00	11.50	13.00
One Horse, with Steel Point.....	16	10.00	11.50	13.00
Two Horse, with Steel Point.....	17	12.00	13.50	15.00

STEEL PLOWS, CAST SHARES.

Description.	Nos.	Plain.	With Wheel.	Wheel and Cutter.
Two Horse.....	X 0	\$9.00	\$10.50	\$12.00
Two Horse.....	X N	11.00	12.50	14.00
Two Horse.....	X M	12.50	14.00	15.50

NEW PATTERN STEEL PLOWS.

Description.	Nos.	Plain.	With Wheel.	Wheel and Cutter.	Wheel and Cir- cular Cutter
Light One Horse, 7 inch cut.....	1 L	\$8.50	\$10.00	\$11.50	\$13.50
Light Two Horse, 7½ inch cut.....	2 L	9.50	11.00	12.50	14.50
Medium Two Horse, 8 inch cut.....	3 L	12.00	13.50	15.00	18.50
Light Two Horse, 8½ inch cut.....	4 L	13.00	14.50	16.00	19.50
Light Two Horse, 9 inch cut.....	5 M	10.00	11.50	13.00	16.50
Two Horse, 10 inch cut.....	6 M	13.50	15.00	16.50	18.00
Light Two Horse.....	A	10.50	12.00	13.50	15.50
Medium Two Horse.....	B	12.00	13.50	15.00	17.00
Medium Two Horse.....	C	13.50	15.00	16.50	19.50
Heavy Two Horse.....	D	12.00	13.50	15.00	17.00
Heavy Two Horse.....	E	14.00	15.50	17.00	19.00
Heavy Two Horse, 10 inch cut.....	F	13.00	14.50	16.00	18.00
Two or Three Horse.....	G	18.00	19.50	21.00	23.00

BALDWIN'S AMERICAN FODDER CUTTERS.

WITH ONE KNIFE.

No.	Length of Knife. Inches.	Lengths of Cut. Inches.	Price.
1	6	½, 1, 1½ & 2	\$18.00
2	8½	½, 1, 1½ & 2	22.00

WITH TWO KNIVES.

No.	Length of Knife. Inches.	Lengths of Cut. Inches.	Price.
9	7½	¾, ½, ¾, & 1	\$28.50
10	8½	¾, ½, ¾, & 1	31.00

HARROWS.

	No. of Teeth.	Size of Teeth.	Drive Teeth.	Screw Teeth.
A Harrow.....	7	$\frac{3}{4}$	\$4.00	\$4.75
A Harrow.....	11	$\frac{3}{4}$	5.25	6.00
A Harrow.....	15	$\frac{3}{4}$	6.50	7.50
Square Harrow.....	15	$\frac{3}{4}$	7.50	8.50
Square Harrow.....	19	$\frac{3}{4}$	8.50	9.50
Square Harrow.....	23	1	11.00	12.00

CORN AND SEED PLANTER.

Each.....	\$20.00
Horse Hoe Attachment.....	3.00
Fertilizer.....	3.00

CORN SHELLERS.*All with Wrought-Iron Shafts.*

Clinton, 1 Wheel.....	\$ 7.50
" 1 Wheel, Improved.....	7.50
" 2 Wheel, Improved.....	8.50
" 2 Wheel, Regular.....	8.50
" 2 Wheel, Double Hopper.....	12.50
" 2 Wheel, Iron Hopper.....	8.50
Eagle, Single Hopper.....	12.50
" Double Hopper.....	18.00
Silver Eagle, Single Hopper.....	12.50
" Double Hopper.....	18.00
Iron Sheller.....	7.00

HAND CORN MILLS.

No. 3.....	\$ 4.50
No. 4.....	6.00
No. 5.....	7.50
Hand and Power Grain Mill.....	26.00

BLANCHARD CHURNS.*Family Sizes.*

No. 3, for up to about 2 gallons of cream....	\$ 6.00
" 4, " " 4 " ".....	7.00
" 5, " " 8 " ".....	8.00
" 6, " " 12 " ".....	10.00
" 7, " " 16 " ".....	12.00

CIDER MILLS.

Farmers' Favorite, Family.....	\$22.00
" " 1 bbl. Press.....	30.00
" " 3 bbl. Press, for two men or power.....	65.00

WINE PRESSES.

No. 1.....	\$5.00
No. 2.....	7.00
No. 3.....	12.00
No. 4.....	30.00
No. 5.....	40.00
No. 1, Galvanized Curb Lard Press.....	12.00
No. 2, " " ".....	19.00
No. 3, " " ".....	30.00

WATER BARREL.

Broad Tire, Each.....	\$30.00
Narrow Tire ".....	25.00

VEGETABLE CUTTERS.

No. 1, Clark's Patent.....	\$12.00
No. 2, " ".....	14.00
No. 3, " ".....	22.00

STUMP PULLERS.

No. 1.....	\$75.00
No. 2.....	95.00
No. 3.....	120.00

HAY CUTTERS.

No. 1, Lever.....	\$5.50
" 2, ".....	5.80
" 3, ".....	9.50

CULTIVATORS.

	Plain.	With Wheel.
Five-Tooth, Steel Teeth, to screw.....	\$7.00	\$7.50
" " to wedge.....	7.00	7.50
" " reversible.....	7.00	7.50
Cultivator Harrow, 9-tooth, $\frac{3}{4}$ in. teeth.....		6.00
" " 9-tooth, $\frac{3}{4}$ in. teeth.....		7.50
" " 11-tooth, $\frac{3}{4}$ in. teeth.....		7.00
Common Cast-iron tooth, 5 teeth.....		7.00
" " new pattern.....		7.50
Set of Cast Cultivator Teeth (5).....		2.00

HORSE HOES.

	Price.
Higginum Horse Hoe.....	\$10.00
Adjustable Horse Hoe, No. 1.....	8.00
" " No. 2.....	9.00
" " No. 3.....	10.00

HIDE ROLLER HAY CUTTER.*New York Pattern.*

No. of Cutter.	No. of Knives.	Length of Knives.	Price.
00	4	6 inch	\$6.50
0	5	6 "	7.00
1	6	6 "	8.00
2	6	6 $\frac{1}{2}$ "	9.00
3	6	7 "	11.00
4	6	8 "	12.00
5	6	9 "	14.00
6	6	10 "	20.00
1	8	6 "	8.50
2	8	6 $\frac{1}{2}$ "	9.50
3	8	7 "	11.50
4	8	8 "	13.00
5	8	9 "	15.00
6	8	10 "	21.00
1	10	6 "	9.00
2	10	6 $\frac{1}{2}$ "	10.00
3	10	7 "	12.00
4	10	8 "	14.00
5	10	9 "	16.00
6	10	10 "	22.00

GRINDSTONES.

Mounted, 15 inch, each.....	\$6.00
" 16 ".....	6.25
" 17 ".....	6.50
" 18 ".....	6.75
" 20 ".....	7.15
" 22 ".....	7.60
" 24 ".....	8.00
" 26 ".....	8.50

CANAL BARROWS.

Each.....	\$2.50
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GARDEN BARROWS.*New York Wood Hubs.*

Garden Wheelbarrows, No. 1.....	\$4.50
" " No. 2.....	5.00
" " No. 3.....	6.00
" " No. 4.....	6.50

DIRT-SCRAPER OR OX-SHOVEL.

No. 1, with Iron Back.....	\$7.00
No. 2, " ".....	7.50
No. 2 $\frac{1}{2}$, " ".....	8.50
No. 3, " ".....	10.00
No. 4, " ".....	11.50
No. 5, " ".....	14.50
No. 2, with Wood Back.....	8.00
No. 3, " ".....	9.00

STEEL BLADE ROAD SCRAPERS.

No. 1, 30 inch Chain Bail.....	\$10.00
No. 2, 34 " ".....	11.00

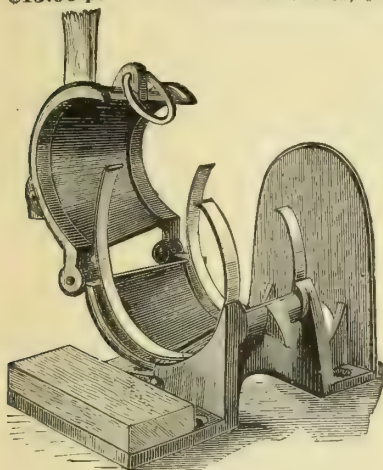
HORTICULTURAL AND OTHER IMPLEMENTS.



HEXAMER'S PRONG HOE.

(Trade Mark.)

This implement subserves the purpose of a hoe and rake. It is an excellent tool for pulverizing the soil between rows of all kinds of growing plants and for rooting up small weeds; and it is a wonderful improvement on Hand Potato Diggers. As the tines are long, small, and strong, they pass through the soil with the application of less force than is required to work the old style of diggers. **Price \$1.50 each; \$15.00 per dozen. Without handles, \$1.40 each.** By mail, post-paid, \$2.00 each.



Asparagus Buncher.

ASPARAGUS BUNCHER.

In offering this Machine to the public, we feel no hesitation in claiming that it is the most simple, compact, durable, and at the same time the most powerful Bunching Machine ever made, and that a child ten or twelve years old can bunch, tie, and prepare for market more Asparagus than a man could by the old process; the bunches being of uniform size and shape, and put up tight enough to prevent falling to pieces in handling; thereby preventing loss, and making for it a more ready sale, as very much depends on condition of its arrival in market as to the prices obtained for it. **Price \$3.50.**

TYING MATERIALS.

Roffea, per lb.....	\$0.75
Cuba Bast, best.....	.75
American, do	.40

BATEMAN'S HAND-PLOW.

This is a first-class and very neat all-steel mold-board Hand-plow. The side handle and set for regulating depth make it the most manageable tool of the kind yet introduced. **Price \$2.00.**

THE IMPROVED NEW-YORK SEED DRILL.

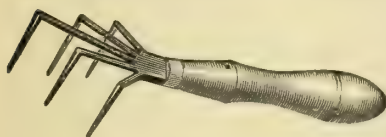
Invented and Patented by E. G. Matthews.

With Patent Combination Metal Dial that will not Corrode or Rust. Read its New Points.

Patent Bars in the Drop, to scatter seed, which no other drill has; new plan for opening furrow, which is adjustable to any depth; plow opens a wider furrow than any other drill; markers under the drill; easy shifting of marker by simply loosening two thumb nuts; dial is set on fulcrum and holds close up, hence no chance for seed to spill; Patent Combination Metal Dial which will not corrode or rust; the agitator is the simplest, strongest, and most positive working ever put into a drill; for simplicity, strength, compactness, and durability it cannot be excelled. **Ask for Improved New-York Drill. Price, \$12.00, boxed.**

PATENT EXCELSIOR WEEDING HOOK.

The only instrument that can be used to advantage among small and tender plants. This instrument is



warranted to give satisfaction when used among rows of seedlings, among ornamental plants, or in any place where absolute freedom from weeds is the result desired to be obtained. It removes the weeds with far greater rapidity than in the usual manner, without injuring the plants or soiling the hands, and is in all respects the best, if not the only instrument ever offered to the public for this purpose. **Price, 25 cents; by mail, 30 cents.**

THERMOMETERS

Of various styles and finish, from 50 cents to \$5.00 each. Self-registering Thermometers, \$2.00 each. Dairy Thermometers, 75 cents to \$1.50 each, according to size. Storm-glass and Thermometer combined, a useful and ornamental weather indicator, 75 cents each; by mail, \$1.00.

RANDOLPH'S HAND SEED SOWER.

For Sowing all kinds of small Garden Seeds with Accuracy and Dispatch.

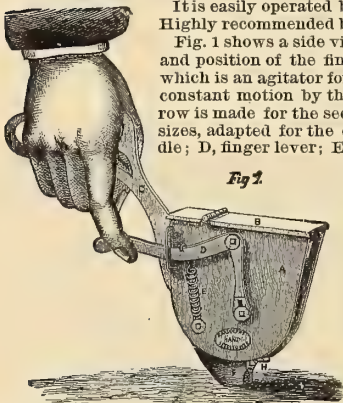


Fig 2.

It is easily operated by a lady or a child of ordinary intelligence with a little practice. Highly recommended by some of our most experienced gardeners and farmers.

Fig. 1 shows a side view of the implement, with the manner of holding it in the hand, and position of the finger; A, hopper for containing the seeds to be sowed, inside of which is an agitator for discharging the seeds, connected with the lever D, to be kept in constant motion by the finger while in use; E, earth opener, by means of which a furrow is made for the seed; the removable sides H are perforated with holes of various sizes, adapted for the different varieties of seeds to be sown; B, cover or lid; C, handle; D, finger lever; E, spiral spring, to assist in the operation of the agitator.

This fruitful source of waste in the ordinary method of planting is entirely remedied by the use of this implement. It is rapid in its action, so that a great saving of time results from its use. Its construction is such that it is impossible to clog it under any proper circumstances.

Being made of metal, it cannot easily be broken, and its construction is so simple that it cannot readily get out of order.

For a more complete description send for Circular.

This Seed Sower can also be furnished with an extended handle, to allow the operator to stand while using it. Price, \$1.50. On account of its length, this pattern cannot be sent by mail.

A liberal discount to the trade or travelling agents.

Its cost is trifling compared with the advantages resulting from its use. The saving in time and seeds will undoubtedly re-

pay the outlay in the planting of a single day. \$1.25 each. Sent by mail, post-paid, to any address in the United States upon receipt of \$1.50.

RANDOLPH'S FERTILIZER DISTRIBUTOR.

An implement for depositing Fertilizers of all kinds used in hill crops, such as *Corn, Potatoes, Tobacco, Cotton, &c.*



By its use, all kinds of **Phosphates, Bone Dust, Fish and Peruvian Guano, Poudrette, Ashes, Plaster,** and all kinds of **concentrated Fertilizers and Chemical Manures** can be distributed, without the material used coming in contact with the hands.

The manner of using the dropper will be readily understood from an inspection of the cut.

The sack, G, having been filled with the fertilizer, is attached to the person by passing the adjustable strap, E, over the shoulder as shown. The handle, O, of the connecting shoot, S, is then held by the left hand, and the handle, H, of the plunger, J, by the right, unless the person is left-handed, in which case the arrangement is just the reverse, the dropper being adapted for use in either way.

The implement is used after the manner of a cane, it being operated by simply swinging it from hill to hill, no exercise of care or judgment being required other than to select the spots upon which to rest its step, F.

For recommendations, and a more complete description, send for circular. Price, \$5.00 each.

NOYES' HAND WEEDER.

This is a convenient, cheap and useful little implement for clearing away weeds, working between plants, dressing pots, and for other small work, where a large hoe could not easily be used. Price, 40 cents each; by mail, 50 cents.



THE EUREKA FUMIGATOR.

In this article we offer an effectual apparatus for the fumigating of greenhouses, etc., doing away with the necessity of being smoked almost to death by the old mode, as it required constant attention to prevent the tobacco-stems from burning to a blaze, and destroying the plants in getting rid of the pests that infest them.



This Apparatus is of simple construction, and not liable to get out of order. When once lit, it is self-acting, and may be left in the house with perfect safety, as flaming or setting anything on fire is an impossibility, while all the material is completely consumed without waste, and given off in a dense smoke, filling a house in a short time, thus insuring the entire destruction of insect life.

It can be used for fumigating *Greenhouses, Conservatories, Pits, Frames, Hospitals, Ships, Poultry-houses, etc., for destroying Vermin or Purifying Rooms.* Directions for use sent with each machine.

No. 1. Height 12 in., diameter at top, 5 in.; suitable for a small greenhouse.	Price, \$2.00
Holds ½ peck of stems.	
No. 2. Height 16 in., diameter at top, 7 in.; suitable for a medium sized greenhouse. Holds 1 peck of stems	" 3.00
No. 3. Height 20 in., diameter at top, 9 in.; suitable for a large greenhouse. Holds ½ bushel of stems	" 4.00

THE PHILADELPHIA BROADCAST SEED SOWER.

(Patented April 5th, 1875, and January 23d, 1877.)

FOR SOWING Wheat, Clover, Timothy, Oats, Barley, Rye, Buckwheat, Millet, Rice, Flaxseed, all varieties of Grass Seeds, Bone Dust, Plaster, Poultry Manure, Phosphates and Fertilizers and Lime.

IN POPULAR USE

not only in this Country, but also in Europe, South Africa, Australia, etc., and by all considered one of the greatest labor-saving machines invented for agricultural purposes.

Broad Casting.—We have the advantage in presenting the claims of this over newer broad-casting machines, because the "Phila." has been TRIED AND PROVEN, not in our section only, but in nearly every State in the Union, having as well an enviable reputation abroad. We will not speak disparagingly of our competitors, but in a few plain words mention some points of superiority this sower has over others.

1st. The ease with which both the No. 1 and No. 2 Machines are adjusted and operated.—The No. 1 can be readily attached to any ordinary farm wagon, and the No. 2 is ready for work as soon as fastened around the body, while in both the quantity to be sown per acre is readily regulated by a gauge. The ground need not be prepared further than plowing, the harrowing can follow the sowing.

2d. The Uniformity and Rapidity of Sowing.—Owing to the construction of these sowers, the seed is evenly distributed if directions are properly followed. We also claim that we have a greater breadth of cast than that of any other sower, consequently, we can do more work in a given time. At the walking gait of a horse the No. 1 machine will sow from twelve to fifteen acres per hour; No. 2, or hand-machine, sowing from four to six acres. You can judge from this how much more economical of time (making no mention of cost) it is than a drill, the best of which will not average more than ten acres per day.

3d. The Saving of Seed.—This means the saving of money every time you sow. Our PRINCIPLE is the correct one in that we most closely follow the action of broad-casting by hand; by casting our seed HORIZONTALLY and within prescribed limits, we save much seed that is lost in other machines by a wild distribution or by being blown away by the wind.

Please remember that we do not recommend the No. 2 machine for sowing fertilizers, phosphates, bone-dust, etc., as it is too small for this purpose.

A FEW GOOD WORDS FROM RECENT CUSTOMERS.



No. 2, or Hand Machine, Price \$6.00.

Price, No. 1, or Power Machine, complete with all couplings (weight 101 lbs.), etc. \$30.00
Price, No. 2, or Hand Machine (weight 8 1-2 lbs.) 6.00

For further information, see Descriptive Seed Sower Circular, which will be mailed free on application.

R. W. Fisk, Scio, Allegany Co., N. Y., writes: "It is the best sower that I ever used. I put in my Spring crop and I think that I got one-third more grain than when sowed by hand. I cleaned my seed well before sowing and it ran through as if it had been greased. I would not be without it for three times the cost."

H. Miod, Clay Centre, Clay Co., Kas., writes: "I like your sower very well. For a man like myself, who does not know much about hand-sowing, it is the best acquisition that he can make."

S. E. Shumaker, Deanneville, Armstrong Co., Pa., writes: "I like seed-sower very much for sowing timothy and clover. I think it 'can't be beat.' Mine looks so even over the ground that I would not be without it for all it costs."

With the No. 1 Machine we can sow the following with uniformity: Wheat, 50 feet; Oats, 40 feet; Barley, 50 feet; Clover, 40 feet; Buckwheat, 50 feet; Timothy, 35 feet; Rye, 50 feet; Orchard Grass, 25 feet. No. 2 or hand, more than one-half the above distance.

There is no farmer who can afford to be without these sowers for another season. One party, after testing a No. 2 Machine for himself last Spring, sold eighty to his neighbors, with satisfaction to all concerned. Cannot we make the same report of you next year?

RUHLMAN'S HAND CULTIVATOR.

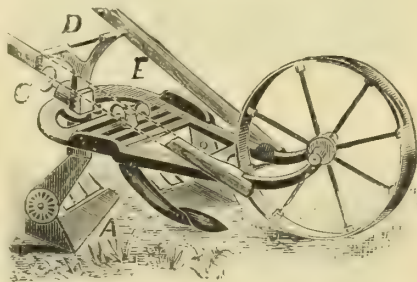
The Latest and best Garden Weeder in Use, and is the Cheapest Hoe ever offered to the Public. One Man can do as much Work as Five Men without it. It can be set from 7 to 16 inches in width, and is warranted to work to Perfection.

This superior implement embraces the four essential points requisite for a successful hand cultivator, viz: *durability, simplicity of construction, thoroughness in work, and perfection* as a plant protector. It is especially adapted to the culture of all garden crops (particularly *onions*), and nursery stock that require careful hand cultivation in the early stages of their growth.

It is easily regulated by set screws, as to the depth of hoeing, the pitch of the knife blades and height of handles. It is easily worked, and does its work with a thoroughness that will satisfy all who try it.

The Frame and Wheel are made of the best cast iron. The knives are the best cast steel. They cut the weeds only on the inside of the knife, so that any person can walk along within one-half an inch without injuring the smallest or tenderest plant, which no other Cultivator can do. It will do the work of six men with a common hoe.

The Machine weighs only about 35 pounds, and packs closely. Price, \$5 50, delivered to Express Company or on board cars.



THE PLANET JR. FARM AND GARDEN IMPLEMENTS.

This is the most complete and popular line of goods we have ever sold, and although light and easy running, they are practical all-day tools, admirable in design, workmanship, material, and finish, and universally acknowledged to be the most perfect and reliable made, and every purchaser must be delighted with the ease and rapidity with which they perform all that is promised, a really marvelous variety of work.

A complete descriptive Catalogue of these goods, illustrated with over 40 engravings, showing the tools at work, and containing practical instruction in the cultivation of garden and field crops, invaluable to beginners and useful to every tiller of the soil, will be mailed free on application to us.

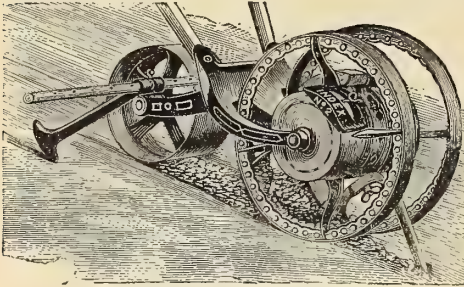


Fig. 1. As a Seed Drill.

The Planet Jr. No. 2 Drill.

Holds $2\frac{1}{2}$ qts. It will sow with equal ease and accuracy a single paper of seed or a full hopper, covering evenly at any exact depth, and will roll down and mark the next row perfectly, all at a single passage. It has no cams, levers, brushes, cogs, springs, or shakers. It is *noiseless, automatic, self-cleaning, and always reliable*. It is remarkable for simplicity, strength, and beauty, and for ease and perfection of work in the field, and no one having use for such a tool can afford to buy any without such advantages; it is without question the latest improved and best.

The Planet Jr. Combined Drill, Wheel Hoe, Wheel Cultivator, and Wheel Plow.

This is the most popular machine we have ever sold, and it is *unrivalled* in beauty of design, perfection of finish, convenience, and capacity for work. It is suitable either for the Farm or Garden, and, except the Planet Jr. separate tools, *has no equal, either as a drill, or as a wheel hoe, cultivator, and plow*.

As a *Drill*, it is exactly similar and equal to the No. 2, except in size. It holds one quart. As a *Plow*, it opens furrows, covers them, hills, plows to and from, etc., etc. As a *Hoe*, it works safely and closely to and from both sides of the row at once, at the critical time when plants are small and weeds abundant, or between rows as plants become larger, working all rows from 8 to 16 in. wide at one passage. As a *Cultivator*, it is admirably adapted to deep mellowing of the soil. The blades are tempered and polished steel.

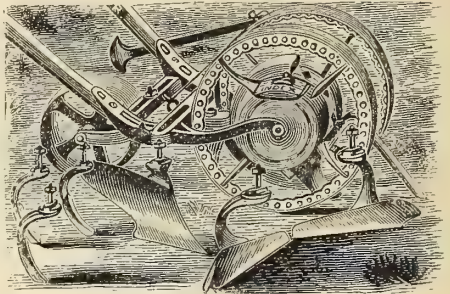


Fig. 2. As a Combined Machine.

The Planet Jr. Double-wheel Hoe, Wheel Cultivator, and Wheel Plow.

Will do the work of from six to ten men with the common hand-hoe among market garden and root crops, nursery stock, etc., and is especially adapted to Onion culture. It is light, firm, strong, and quick set, and easily managed; each one is sent out with all the tools shown in the cut. All the blades are tempered and polished steel. The tool is light and graceful, made of the best material and highly finished, and nothing can exceed the perfection and variety of work it performs, nor equal the enthusiasm of its many admirers.

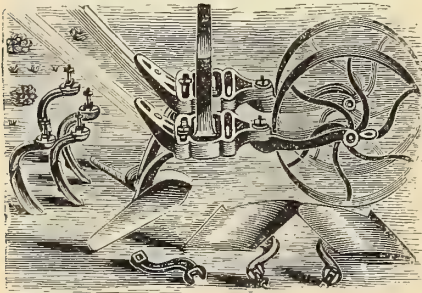


Fig. 3. As a Double Wheel Hoe.

The Planet Jr. Single-wheel Hoe, Wheel Cultivator, and Wheel Plow Combined.

In improving this tool care has been taken to combine extreme lightness, strength, variety of tools, and great adjustability. It has one pair of long, and one pair of short exchangeable hoes, a set of three reversible cultivator teeth, and a steel garden plow. All the blades are tempered and polished steel. This tool is pronounced by practical men as without an equal in beauty of design and finish, ease of operation, quality of work, and variety of adjustment, and in this improved form it is unquestionably the lightest running, the most convenient, and practical Single-wheel Hoe known.

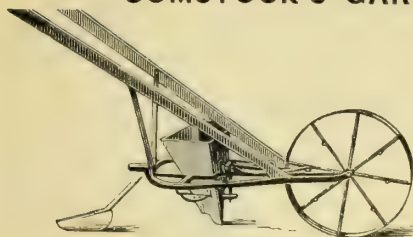
The Firefly Wheel Garden Plow

Makes the care of a vegetable garden a pleasure, and ten thousand families who could not find time to keep a garden, if attempting its cultivation with the ordinary hand-hoe, can raise their own vegetables successfully with the Firefly.

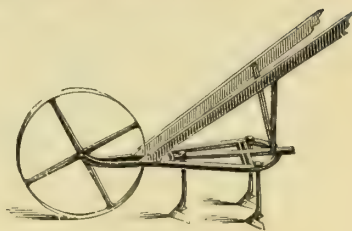
Prices of Planet Jr. Goods, packed ready for shipment and delivered at express office or depot.

No. 2 Drill.....	\$12.00
Combined Drill, Wheel Hoe, Cultivator, and Plow.....	15.00
Double-wheel Hoe, Cultivator, and Plow.....	10.00
Single-wheel Hoe, Cultivator, and Plow.....	8.00
Single-wheel Hoe (two pairs of Hoes).....	6.00
Firefly Plow.....	4.00

COMSTOCK'S GARDENING IMPLEMENTS.



Seed Sower.



Cultivator.

Comstock's Hand Cultivator and Onion Weeder Combined.—In the cultivation of Onions, Carrots, Beets, Parsnips, Ruta Baga, Rice, Spinach, Strawberries, Nursery Stocks, and other small drill crops, this implement will do the work of six MEN with hoes. It *pulls the weeds* and thoroughly pulverizes the soil; runs close to the rows, and takes out all the weeds not directly in line with the plants, and throws the earth up to or away from the rows. It is readily adjusted to clean the space between rows from six to fifteen inches apart at one passage. **Price, \$7.00.**

Comstock's Seed Sower.—\$3.00.

Comstock's Seed Sower, Hand Cultivator, and Weeder Combined.—This is a new and perfect small Seed Sower, combined with the Cultivator and Weeder, and can be separated or attached in five minutes. It sows Beet, Parsnip, and other difficult seeds which can be sown with any Seeder, with the greatest regularity, and is especially adapted to sowing Onion at the rate of four, five, or six pounds to the acre. By revolving the disk, which is held in place by a spring, it can be changed instantly to sow thick or thin, without removing the seed from the hopper. **Price, \$12.00.**

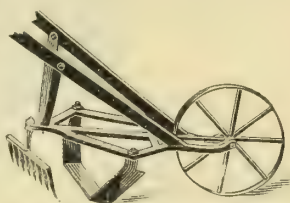
Hopper and Cover to make a Seed Sower of a Cultivator, \$5.00. Set of two rakes and three teeth to make a Cultivator and Weeder of a Seed Sower, \$3.75. Wheel and Knife to be fixed to the Cultivator to make a Strawberry Runner Cutter, \$2.00. Extra teeth and rakes less than a set, each \$1.00. Verge or Turf Cutter, \$1.25. Mole Plow, 75 cents.

COMSTOCK'S TURF CUTTER, EDGING KNIFE, AND SCUFFLE HOE.

(All in one.)

By thrusting into the sod with short, quick, and strong strokes, it will cut out ribbons of turf of uniform width and thickness truer and faster than any implement invented. It is used for cutting the edges of walks and borders, and scraping and cleaning alleys in lawns and gardens, and as a Hand Cultivator in weeding. It will do the work of half a dozen men. A useful accompaniment to a Lawn Mower. **Price, \$5.00.**

Circulars giving a more complete description of the above, with directions for use, and culture of various crops, will be mailed to all applicants.



THE "GEM" OF THE GARDEN,

Hand Wheel Hoe and Cultivator.

As lately improved, this implement is the most effective and convenient tool of the kind yet invented. The working parts are:

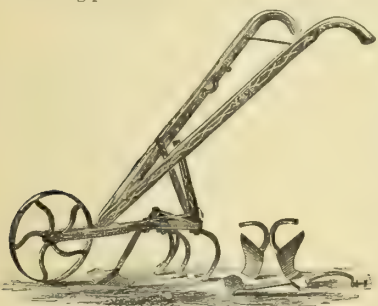
- | | |
|--|---------------------------|
| 2 Scuffle or Cutting Blades, one $4\frac{1}{2}$, and one 9 inches wide. | } All made of best steel. |
| 2 Plows, right and left hand. | |
| 5 Stirring Teeth. | |

The wheels and handles are adjustable in height, while the frame is so slotted that the hoes, teeth, and plows can be set in almost any position or angle.

The scuffle hoe makes a clean cut and is followed by the teeth—five or less—which thoroughly pulverize the soil, and drag out roots of the weeds cut by the hoe. Being of such slender shape it will not throw dirt enough to cover small plants. The hoes are of thin steel, and present nearly a straight line to the work, and thus avoid the "dodging" so common to tools of this kind.

Over five hundred of these machines have been sold during the past three years, to the greatest satisfaction of buyers. Many have said that they would not be without it for double the cost, and all agree that it is by far the cheapest and best article of the kind made.

It is always sold with the privilege of returning it not entirely satisfactory. **Price, boxed, \$5.00.**



BRYANT'S IMPROVED PLANT PROTECTOR.

The uses of the Plant Protectors are three-fold:—First, against insects; second, against early frosts; third, against the cold winds so fatal to tender plants when first set out. Tomatoes, Egg Plants, Cucumbers, Melons, and all vegetables of a tender nature, can be forwarded and more safely grown by the use of these Protectors; also all tender flowering plants and the more delicate of annual flower seeds, can be raised by being covered with them. **Price, \$1.75 per dozen.**



PLANT STAKES.

For neatness and durability these are the best Plant Stakes made, for supporting such plants as the Tuberoses, Fuchsia, Gladiolus, Carnation, etc. The round ones are neatly turned, painted green, and tapering to the top, and have an airy and ornamental appearance. The square ones are of a heavier make, painted green, and though less elegant, are very useful for staking strong plants.

ROUND PLANT STAKES.				SQUARE PLANT STAKES.			
	Each.	Doz.	Hund.		Each.	Doz.	Hund.
2 feet long.....	\$0.03	\$0.30	\$2.00	2 feet long.....	\$0.04	\$0.40	\$2.50
3 ".....	.05	.50	4.00	3 ".....	.06	.60	4.00
4 ".....	.08	.70	6.00	4 ".....	.07	.70	5.00
5 ".....	.10	1.00	7.00	5 ".....	.08	.80	6.00
6 ".....	.15	1.50	10.00	6 ".....	.10	1.10	8.00

PLANT AND TREE LABELS (Wood).

	Hund.	Thous.
Pot or Plant, 4 inches long.....	\$0.20	\$1.25
Pot or Plant, 4½ inches long.....	.25	1.40
Pot or Plant, 5½ inches long.....	.30	1.75
Pot or Plant, 6 inches long.....	.30	2.00
Garden or Nursery, 12 inches long.....	.75	6.00
Tree, notched or pierced, 4 inches long.....	.20	1.25

WOLFF'S MARKING INK PENCILS.—Black, Blue, or Red.—The cheapest made for producing an indelible mark upon wood labels for garden purposes. Price 20 cents each.



FOR GARDEN, GREENHOUSE, AND OTHER PURPOSES.

These tags will be found far more economical than the common wooden ones, and are a useful and neat appendage to Plants, Trees, &c. The ink, when used with a clean quill or other pen, marks a jet black, and weather or time has no effect on the writing. The marking may be erased by Emery paper, and the name on the tag changed as may be desired. Tags (in four sizes), 10, 15, 20, and 30 cents per dozen. Ink, 50 cents per bottle. Boxes containing 4 dozen Tags, 1 dozen each size, a pen, 1 bottle of ink, 5 dozen plated wires, and emery paper. Price \$1.00.

Either size Tag may be had separate, by the gross, hundred, or thousand.

Galvanized Wire Verbena Pins.—Largely used for pegging down Verbenas, &c.; also for layering Carnations, Picotees, &c. Per box (1 gross), \$1.00.

PATENT INSOLUBLE METALLIC CARD LABELS,

FOR ROSE TREES, FRUIT TREES, SHRUBS, &c.

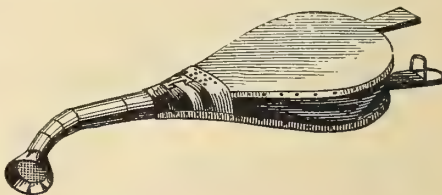
These Labels are insoluble in water of any temperature. They can be written upon with any good ordinary black ink (do not use copying ink, as it spreads when exposed to rain), such writing, even after long exposure to the weather, being clear and distinct. They may be used either as a tree or suspending label, or for insertion in the soil. When ordering, state for which purpose intended. Price \$1.25 per hundred.

Waterproof Twine, for using with the above or other labels, in packets of 100 ties. Thin, per pkt., 35 cents; thick, per pkt., 40 cents.

SULPHUR BELLOWES.

Or Floral and Vintage Flour of Sulphur Duster.

For the EXTERMINATION OF BUGS, WORMS, and all INSECTS; likewise MILDEW UPON GRAPE VINES. By the use of this implement the Flour of Sulphur can be evenly distributed over every part of the affected plant. Price, \$2.50.

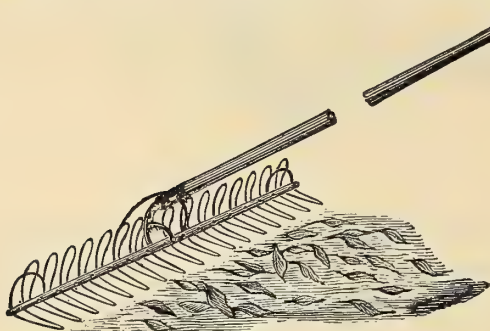


FLOWER HOLDER.

A very simple contrivance, which can be used for button-hole bouquets, or ladies' head-dresses. Price, 10 cts. each. \$1.00 per dozen by mail.

THE DAVIS LAWN RAKE.

Made in the most thorough manner, of the best material, best quality of Spring Steel Teeth.



Patented Dec. 17, 1878.

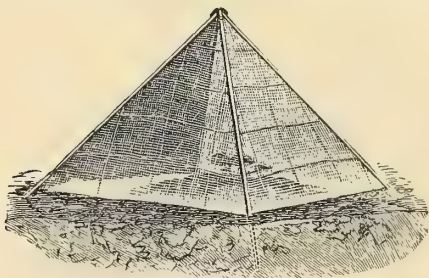
It requires many years of great care to produce a fine Lawn, which may be injured and perhaps ruined in a short time by using common rakes. Price, \$1.00.

A PERFECT IMPLEMENT FOR CLEANING LAWNS FROM LEAVES, GRASS, AND ALL KINDS OF RUBBISH, AND THE ONLY ONE THAT WILL DO IT WITHOUT INJURING THE GRASS AND ROOTS.

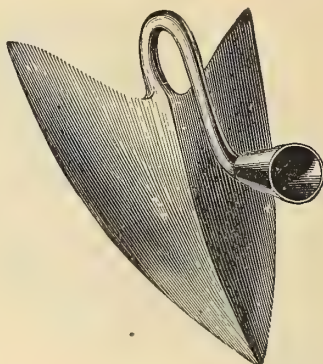
Will level and prepare a garden bed for the seed better and quicker than any other tool. Will clean a race track perfectly. Just the thing for ladies wishing open air exercise. A man with one will do the work of six or eight men in a superior manner. The work is light and easy, as the rake is drawn over the ground instead of being carried. *Landscape gardeners will use no other after trying this.* Grass will grow faster and look much better after being combed a few times with the Rake.

BATES'S FOLDING PLANT PROTECTOR.

This simple arrangement not only protects from bugs, borers, and fowl, but subdues all violence of wind, rain, and cold; keeping off light frosts, and facilitating the growth of young plants in a wonderful degree. Adding to all this their durability, portability, and cheapness, the purchaser will find he has made a good investment. They fold like an umbrella, and one dozen will make a package four inches square and twenty-two inches long. When open they cover nineteen inches square. With fair usage they will last ten years, for they are made of durable netting, firmly fastened between two closely fitting pieces of wood, with tinned tacks securely clenched. Price, 15 cents each; \$1.50 per dozen.



Plant Protector.



Warren Hoe.

THE WARREN HOE.

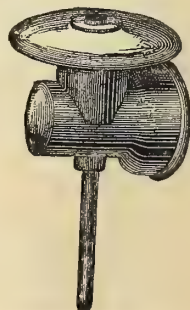
It is perfectly adapted for Field, Nursery, or Garden, and is superior to any other Hoe at all work for which a hoe is intended. They are made of solid cast-steel, and warranted not to break with fair usage. No farmer or gardener can afford to do without them and spend their time and strength on the old Hoe.

Prices.—No. 1, Ladies' and Garden Hoe, \$1.00 each; No. 2, Garden and Field Hoe, \$1.25 each; No. 3, Field Hoe, \$1.25 each.

REVOLVING LAWN AND GARDEN SPRINKLER.

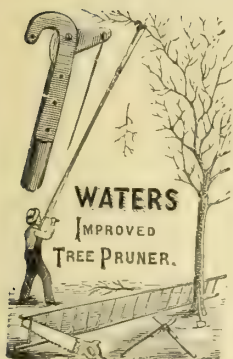
The "Perfection" is warranted by the inventors to accomplish as much as any sprinkler in the market, at the same pressure. Its superiority is shown by its simplicity, ease with which it can be cleared of any obstructions, and effectiveness while working in a strong wind. The circle watered can be reduced to any desired size by turning the supply partly off. By its simple construction, it can be used with equal facility on hill-side or terrace. In connection with a force-pump, it can be used with good effect in green-houses, hot-beds, etc. The bearings and working parts are made of brass, and it is complete in itself; has only to be screwed to the hose, and the pin stuck in the ground to be used.

Price, \$1.25. By mail, \$1.40.



Perfection Sprinkler.

WATERS'S IMPROVED TREE-PRUNER.



The Waters Improved Tree-Pruner is by far the best instrument for the purpose in view that has yet been invented.

The following are some of its advantages:

First.—The peculiar construction of the hook that encircles the limb, the support of the blade being upon both sides, which is very important, allowing the blade to be made very thin, thereby reducing the resistance of the wood, and making an easier and smoother cut than any other device.

Second.—The knife being connected by a rod, the pole may be of any desired length, thus requiring no ladder or climbing.

Third.—The small space required for working the knife allows it to be used among close, dense branches, where great difficulty is found in using the old-fashioned shears.

For pruning Raspberry, Blackberry, and Rose Bushes it has proved peculiarly serviceable.

For removing worms' nests, and thinning out fruits, it is very desirable, and can be used as a fruit-picker.

Length of pole, 4 feet; weight, 2½ lbs.	\$2.00
" " 6 " " 2½ "	2.25
" " 8 " " 3½ "	2.50
" " 10 " " 4½ "	2.75
Extra Knives, each	0.30
Extra Knives, per dozen	3.50

AMERICAN PRUNING SHEARS.

Wiss American Pruning Shear will be found the most desirable as well as most durable made. In four sizes: 7½ in., \$1.75; 8 in., \$2.00; 8½ in., \$2.25; 9 in., \$2.50.

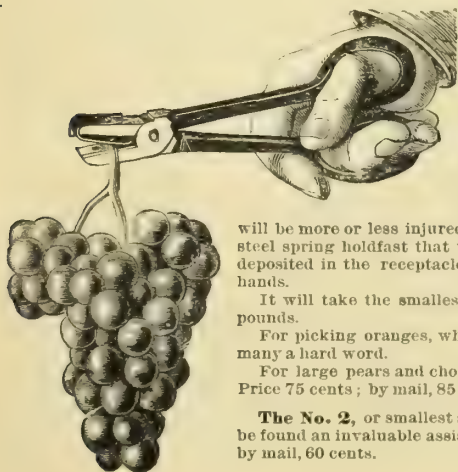


WISS TREE-PRUNING SHEARS.

These shears are attached to a pole, and operated by means of a lever, moved by a cord and pulley. It enables a person standing on the ground to prune trees, some of the branches of which could not, perhaps, be as well pruned by any other instrument. Branches of one inch and a half in diameter may be easily cut off with this instrument. Price, without handle, \$2.50; by mail, \$3.00.

THE O. G. PRUNER.

This is an improved hand-pruner of the French pattern, but English make. They are strong and durable, and make a clean cut. We have three sizes, 6, 7, and 8 in., which we offer at \$1.75, \$2.25, \$2.50; by mail, 25 cents each extra.



WEEK'S GRAPE, FRUIT, AND FLOWER PICKER.

VALENTINE'S PAT., AUG. 1, 1865.

This cut represents one of the most useful articles of its kind yet invented, which supplies a want that has long been felt. Every one engaged in picking fruit knows the difficulty of detaching the fruit from the branch and depositing it in the basket or other receptacle for receiving it without bruising the fruit, and particularly with Grapes, for unless very great care is exercised, each bunch

will be more or less injured. The tool is a pair of shears so arranged with a steel spring holdfast that the stem is cut and held so that the fruit can be deposited in the receptacle for receiving it without touching it with the hands.

It will take the smallest cherry, or hold a bunch of grapes weighing five pounds.

For picking oranges, where the branches are full of thorns, it will save many a hard word.

For large pears and choice fruit of any kind, it is an invaluable assistant. Price 75 cents; by mail, 85 cents.

The No. 2, or smallest size, is particularly adapted for **Flowers**, and will be found an invaluable assistant in the Garden or Hot-house. Price 50 cents; by mail, 60 cents.

LAWN MOWERS.

IMPROVED EXCELSIOR LAWN MOWERS.

The Side-Wheel Mower possesses many important advantages over other mowers of this pattern. Its self-cleaning gear cannot clog. It is noiseless in its operations. Its improved ratchet has no spring to get out of order. It is the lightest and best side-wheel mower.

The Roller Mower is well known to the public. It is lighter in draft. It cuts the borders better. It leaves the lawn smoother, and does better work than any other roller mower.

SIDE-WHEEL MOWERS.

10 inch cut.....	\$11.00
12 ".....	15.00
14 ".....	17.00
16 ".....	19.00
18 ".....	21.00
20 ".....	23.00

ROLLER MOWERS.

10 inch cut.....	\$13.00
12 " 	15.00
14 " 	17.00
16 " 	19.00
18 " 	21.00
20 " 	23.00

Our Horse Mower is the best one manufactured. Its sectional castor wheels do not roll down the standing grass nor leave marks on the lawn. Its side-draft attachment (which is furnished with the three larger sized mowers) allows the horse to walk only on the cut grass. Every mower fully guaranteed. A trial is solicited.

25 inch cut, without seat or shafts.....	\$65.00	35 inch cut, with seat and shafts.....	\$135.00
30 " " with seat and shafts.....	110.00	40 " " " ".....	170.00

The 25 inch Mower is furnished with shafts when desired. Price \$10.00. Horse Boots, per set, \$12.00. Full directions for setting-up, adjusting, and using accompany each mower.



THE DAISY LAWN MOWER.

**EVERY MACHINE UNCONDITIONALLY
WARRANTED.**

The best, the simplest in construction, finest finish, the cheapest, handsomest, and most durable side-wheel mower in the market. Interchangeable in all its parts. Every Machine unconditionally warranted. It has an adjustable vibrating handle, and is perfectly adapted for cutting Terraces, Slopes, and every variety of Lawn.

AT REDUCED PRICES.

Everybody can now afford to buy a Lawn Mower.

Manufactured in four sizes for hand use, as follows:

12 inch.....	\$11.00
14 ".....	12.00
16 ".....	13.00
18 ".....	14.00

PHILADELPHIA LAWN MOWERS.

The Philadelphia is not a new Lawn Mower, but several recent improvements, together with its simplicity of construction and lightness, have deservedly made it a general favorite.

10 inch cut.....	\$13.00	16 inch cut.....	\$19.00
12 "	15.00	18 "	21.00
14 "	17.00	20 "	23.00

CHARTER OAK LAWN MOWER.

Emphatically one of the best and most beautiful Lawn Mowers in the World.

10 inch.....	\$13.00	18 inch, for large lawns.....	\$24.00
13 "	16.00	28 " Pony Mowers.....	100.00
15 " Standard.....	20.00	32 " Horse	125.00

GARDEN ROLLERS.

WEIGHTS KEEP HANDLE ERECT.

2 Sec., 7½ in. face, 15 in. diameter, with weights about 125 lbs.										\$8.00
1	12	20	140	10.00						10.00
1	20	20	220	14.00						14.00
2	12	20	300	18.00						18.00
3	12	20	450	25.00						25.00
1	12	24	200	13.00						13.00
2	12	24	400	22.00						22.00
1	12	28	250	16.00						16.00
2	12	28	500	26.00						26.00
3	12	28	700	40.00						40.00

We deduct for Weights, when not wanted, from \$2.00 to \$5.00.

WOODWARD'S MEDICATED NEST EGGS.

These eggs will be found a simple and effective remedy for all insect vermin on setting hens, and, when once known, no poultry keeper can afford to be without them.

Each, 8 cents; per dozen, 75 cents. By mail, each, 15 cents; per dozen, \$1.25.



[Trade Mark.]

IMPERIAL EGG FOOD.

For all Varieties of Poultry: Laying Hens, Young Chicks, Ducks, and Turkeys.

WILL MAKE YOUR HENS LAY.

From all parts of the country, evidence of the remarkable properties of IMPERIAL EGG FOOD has been received. The condition of the fowls is so improved, and egg production so increased, in winter as well as summer, that poultry become the most profitable stock on the farm. It is estimated that one-half the chicks and turkeys annually hatched die before reaching maturity. When the IMPERIAL EGG FOOD is fed according to directions, sick and drooping chicks will never be seen. It supplies all the needed material for forming bone, muscle, and feathers, and, by its gentle tonic effect, strengthens the digestive organs and lays the foundation for vigorous, healthy, and therefore profitable, fowls. They will also be fitted for market a month earlier than by common treatment. Prices, per mail, 50 cents and \$1.00 per package. Per express, 50 cents per lb.; 2½ lbs. for \$1.00; 6 lbs. for \$2.00; 25 lb. kegs for \$6.25.

FOR THE DESTRUCTION OF INSECTS, Etc.**HORACE'S TOBACCO AND HELLEBORE INSECTICIDE.**

In Patent Bellows Box, for Rose Bugs, Aphids, and Plant-Infecting Insects.

HORACE'S PERSIAN INSECT POWDER.

In Patent Bellows Box, for Ants, Croton Bugs, Bed-Bugs, Fleas, and Lice on Animals and Household Pests.

These Powders have both a well-established reputation as being very effective and as non-poisonous to animal life. Their efficiency depending largely on being applied in fine dust, the very durable Bellows will be found a most useful and effective addition. It may be refilled.

Price, complete, 25 cents each; \$2.25 per dozen.

Jacques' Sapo Tabacum, or Tobacco Soap.—A universal remedy for the pests of the gardens and nurseries, etc. The most convenient, cheap, and potent specific for the destruction of insects, parasites, and their eggs, infesting plants. Also, an efficient specific for the destruction of ticks and other parasitic vermin on sheep and domesticated animals. Price, 40 cents per lb.; five pounds for \$1.75. By mail, 16 cents per pound extra.

Gishurst Compound.—An English preparation, highly recommended for preventing and destroying RED SPIDERS, SCALE, MEALY BUG, THRIP, GREEN AND BROWN FLY, etc.; also, for winter dressing and washing walls, frames and sashes of greenhouses. Price, per box, \$1.00; by mail, \$1.20.

Whale Oil Soap.—For preserving Plants, Flowering Shrubs, Vines, and particularly Rose Bushes from the destructive effects of Slugs, Grub Worms, etc. 2 lbs., 35 cents; 5 lbs., 80 cents; 10 lbs., \$1.50. By mail, 16 cents per lb. extra. Tin Syringes, for applying the above, \$1.00; Brass Syringes, \$2.00 to \$9.00.

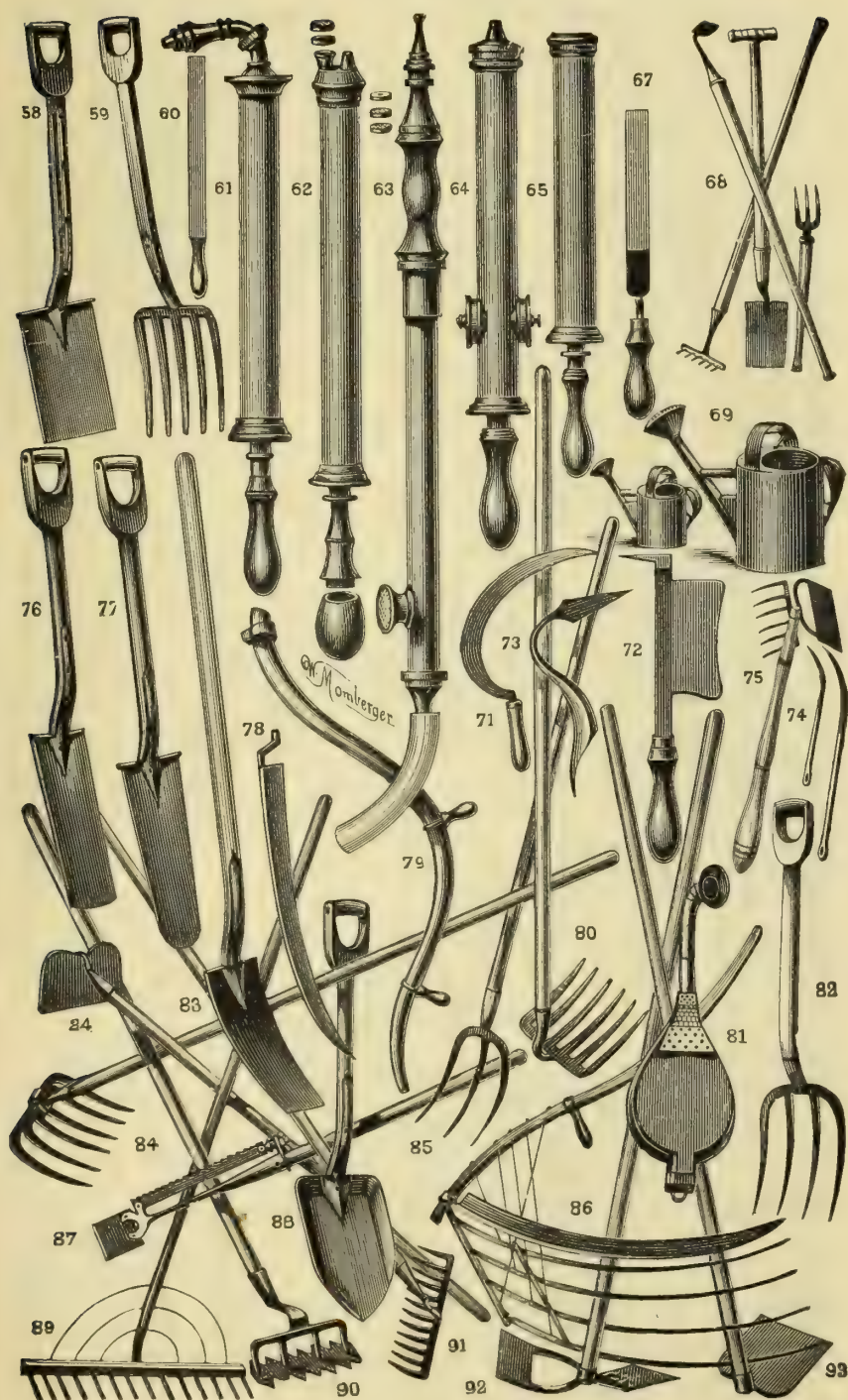
SELF-HEATING SOLDERING IRON.

Every housekeeper should have a Gem Soldering Casket, as it contains all the implements necessary to make every person their own tinsmith. An economical person can see at a glance that from ten to twenty-five cents can be saved, and the annoyance of leaving their house (just when in want of using a vessel they have discovered that it leaks) to find a tinsmith, perhaps on a roof, or too busy just then to attend to jobbing; it may be that his fire is out, and it would cause him time and trouble for so small a job; hence the Gem comes in play, and its value is unprecedented in every household. This little Gem pays for itself in soldering one dozen fruit cans, and does away with the inconvenience of carrying cans full of hot fruit or vegetables to the tinsmith's to have them soldered, on the annoyance of waiting for the tinsmith to come to the house and solder up the cans. It is also very useful in opening fruit cans, as it will open them instantly, by simply heating the iron and rubbing it over the soldered top, and therefore preserving the can for future use. The Casket contains a Self-Heating Soldering Iron, Scraper for cleaning place

to be soldered, a Bar of Solder, and a Bottle of Soldering Salts. Where there is no gas the iron can be heated in the stove. Price, \$1.00. By mail, \$1.16.



See Prices at Page 126.



See Prices at Page 126.

GARDEN AND HORTICULTURAL IMPLEMENTS.

From the Best English and American Manufacturers. See Illustrations on pages 126 & 127.

No.		Price.
1	Pruning Knife, with saw (Saynor's).....	\$1.75
2	Pruning Knives.—(Saynor's) \$1.25; No. 3, \$1.25; No. 4, \$1.25; No. 5, \$1.00; No. 6, 75 cents; No. 7, \$1.25; No. 8, \$1.25; No. 9, \$1.25; No. 10, \$1.75; No. 11, \$1.00; No. 12, \$1.00; No. 13, \$1.00; No. 14, \$1.00; No. 15, 75 cents.	
15	Budding Knives.—(Saynor's) No. 15, \$2.00; No. 16, \$1.25; No. 17, \$1.25; No. 18, \$1.00; No. 19, \$1.00; No. 20, \$1.75; No. 21, \$1.75; No. 22, \$1.25; No. 23, \$1.25; No. 24, \$2.00.	
	Pruning and Budding Knives of similar patterns, from other manufacturers.....	\$0.75 to 1.50
26	Border or Grass Shears, with wheel, 8-inch, \$2.50; 9-inch, \$3.00; 10-inch, \$3.50.	
27	Border Shears, 8-inch, \$2.00; 9-inch, \$2.50; 10-inch, \$3.00.	
28	Branch or Lopping Pruning Shears, three sizes, \$2.00, \$3.00 and \$4.00.	
29	Hedge and Garden Shears, 5½-inch (ladies), \$1.50; 8-inch, \$1.25; 9-inch, \$1.50; 10-inch, \$2.00; 12-inch; \$3.00; notched, 25 cents extra.	
30	Garden Bill Hooks, for pruning with one hand.....	1.50 to 2.00
31	Spring Grass Shears, for edging.....	1.25
32	Sheep Shears, for edgings.....	1.25
33	French Pruning Shears, with springs, various sizes, styles and finish, page 122.....	2.50 to 4.25
34	Bow Slide Pruning Shears, 7-inch.....	3.00
35	Pruning Scissors, with bows, three sizes, \$1.00, \$1.25 and \$1.50.	
36	Grape Scissors, 6-inch, \$1.00; 7-inch, \$1.25.	
37	Propagating Scissors.....	1.25
38	Scotch Scythe Stones, 25 cents each; \$2.50 per dozen.	
39	Bayonet Hoe, without handle.....	.75
40	Grass Plot Edging Knives, cast steel (Saynor's), 8-inch, \$1.25; 9-inch, \$1.50; 10-inch, \$2.00.	
41	Dutch or Scuffle Hoes (Saynor's), 4-inch, 35 cents; 5-inch, 45; 6-inch, 55; 7-inch, 60; 8-inch, 70; 9-inch, 80; 10-inch, 90.	
42	English Transplanting Trowels, blued steel, 6-inch, 75 cents; 7-inch, \$1.00; 8-inch, \$1.25.	
	Similar pattern of American manufacture, 6-inch, 25 cents; 7-inch, 35; 8-inch, 50.	
43	Triangular Hoes, used also for Tree Scrapers, 5-inch, 50 cents; 6-inch, 60; 7-inch, 75.	
44	Noyes' Garden Weeder.....	.40
45	Garden Reels, with stakes; English, 8-inch, \$1.00; 10-inch, \$1.25.	
	Similar patterns of American manufacture.....	.75 to 1.25
47	English Lawn Rakes, 16-inch, \$2.50; 20-inch, \$3.00; 24-inch, \$3.50.	
48	Ladies' Blue Weeding Forks, English.....	.75
	Similar pattern of American manufacture.....	.40 to .50
49	Claw Hatchets.....	1.25
50	Pruning Saws, 14-inch, 75 cents; 16-inch, \$1.00; 18-inch, \$1.25; 20-inch, \$1.50.	
51	Comstock's Weeding Hook.....	.50
52	English Lawn Scythes.....	1.25 to 2.00
53	English Turnip Hoes, 6-inch.....	.50
54	Asparagus Knife.....	.75
55	Excelsior Weeding Hook.....	.30
56	Garden Hammers.....	1.00
58	Ames' Cast Steel Spades.....	1.50
59, 82	Spading and Manure Forks, cast steel.....	1.00 to 2.25
60	Rifle for Sharpening Scythes.....	.25
61	Brass Syringe, \$7.50; No. 62, \$7.00; No. 64, \$7.00 and \$4.25; No. 65, \$2.75; unpolished, \$2.50 and \$2.00.	
63	Fountain Pump, brass, with three feet of hose.....	9.00
67	Asparagus Cutter.....	1.00
68	Ladies' and Children's Garden Sets (4 pieces), according to size and finish, \$1.25, \$2.00, and \$3.50.	
69	Tin Water Pots, painted green, from 2 to 16 quarts.....	.25 to 3.00
71	Grass Hooks or Sickles, English, three sizes, 50 cents, 75, and \$1.00.	
72	Grafting Chisel.....	1.00
74	Sacking Needles.....	.20 to .25
75	Ladies' Floral Rake and Hoe.....	.25
76	Post Hole Spade, Ames' Cast Steel.....	1.75
77	Draining Spade, cast steel.....	1.75
78	Scythes of various patterns and manufactures.....	1.00 to 2.00
79	Scythe Snaths of various patterns.....	.75 to 1.50
80	Cast Steel Potato Hooks or Prong Hoes.....	1.00
81	Sulphur Bellows, for preventing mildew, see page 124.....	1.50 to 2.50
83	Spades and Shovels, long handles, Ames' and others.....	1.25 to 2.00
84	Hexamer's Prong Hoe, see page 114.....	1.50
85	Hay or Manure Forks.....	.50 to 1.50
86	Grain Cradles.....	3.50 to 5.50
87	Pruning Saw and Chisel combined.....	2.00
88	Ames' Round Point Shovel.....	1.50
89	Wooden Rakes, of various patterns and sizes.....	.50 to .75
90	Allen's Weeding Hoe, different sizes.....	1.00 to 1.75
91	Steel Garden Rakes, 6 teeth, 50 cents; 8 teeth, 70; 10 teeth, 80; 12 teeth, 90; 14 teeth, \$1.00; 16 teeth, \$1.25; 20 teeth, \$1.50.	
92	Weeding Hoe, old pattern.....	1.00
93, 94	Garden Hoes, cast steel, various sizes and patterns.....	.50 to .75



DUMESNIL FERTILIZING MOSS.

Awarded a Bronze Medal by the Massachusetts Horticultural Society, and two Bronze Medals at the American Institute Fair.

This article has met with an instant and brilliant success in Europe. We have witnessed the results of experiments made by prominent American florists, and believe we are warranted in calling the attention of our customers to it. Every one knows that even a few indoor plants cause some mess and dirt, and where many are grown, the accompanying inconveniences are just so much greater. This moss will overcome all that and many other obstacles, besides the certainty that plants grown in it, either entirely without earth or in combination with it, will be healthier in every way, and produce larger and better-colored flowers. The lightness of the moss, and the limited quantity required for each plant, make its use in practice quite inexpensive. Price, 30 cents per lb. If by mail, 50 cents per lb.

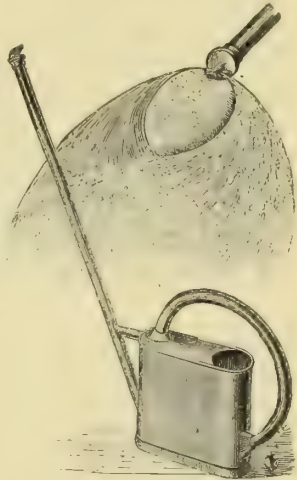
Pamphlet giving full particulars mailed free on application.

FRENCH WATERING POT.

The engraving shows the form of the pot, which is made of the best galvanized iron and is very durable. It will be seen that it has a very long spout and the round and properly placed handle, which is a great improvement. With a handle of this kind the hand can be placed at just the right point for the implement to balance, and there is none of the strain upon the wrist that is demanded by the ordinary form. A column of water of the length of the spout when allowed to flow comes out with no little force. As the stream of water issues from the nozzle it is intercepted by a flange, which is cast in brass of a peculiar shape, with the effect to break the stream into the thinnest possible sheet of water, of a most beautifully curved form. At the upper part of the engraving the form of the discharge of water is shown, as well as that of the flange which produces the effect. It will be seen that the water is dispersed over a broad space, and its force is so far counteracted and its spread so exceedingly thin that it can be allowed to fall upon small and delicate plants without injury.

Price.

1 gallon	\$2.50
2 "	3.00
3 "	3.75



RUSTIC HANGING BASKETS, SETTEES AND CHAIRS.

A large stock of various patterns, oval and round, together with a great variety of other rustic work constantly on hand.

	Each.
Rustic Hanging Baskets, bowl 8 inches in diameter	\$1.25
Rustic Hanging Baskets, " 9 " " "	1.50
Rustic Hanging Baskets, " 11 " " "	1.75
Rustic Hanging Baskets, " 13 " " "	2.25
Settee for Piazza, extreme length, 7 feet, \$30.00. 5 feet	20.00
Settees for Lawns, red cedar, with the bark, 5 feet	13.00
Larger sizes, built to order, \$2.00 to \$3.00 per foot extra.	
Chairs of Various Patterns, from	\$5.00 to 10.00
Lawn Settee, red cedar, with the bark	15.00
Lawn Chairs, " " " "	\$5.00 to 7.00
Croquet Chair, " " " "	4.50
Lawn Vase, round 16-inch tub; 3 feet high	7.00
Lawn Vase, square 18-inch box; 3 feet high	10.00

RUSTIC WINDOW BOXES.

The above will be found very ornamental, as well as useful for growing Bulbs and Plants of all kinds, either inside or outside the window. They can be made of any size that may be required.

No. 1, per lineal foot	\$2.25
No. 2, " "	2.00



CROPS AND THE COMPLETE MANURES ADAPTED FOR THE SAME.

The following well-known manures have been in successful practical use among many of the most noted truck, fruit, and special crop growers, and are now employed, particularly among farmers in Long Island, Connecticut, and New Jersey, by many **exclusively in place of purchased stable manure**. Among the advantages the Mapes Complete Manures possess over purchased stable manure are: *saving in cost and labor in hauling and application to the crop; greater certainty of effects*, especially during seasons of drought; promoting *healthier growth, earlier maturity*, and producing vegetables of *better quality*. They

RESTORE WORN-OUT LANDS AND ADD TO THE PERMANENT FERTILITY

of the soil, as is abundantly shown by the testimony of practical growers who have used them for *six successive seasons* on the same land.

The analyses and reports on the "**valuations**" of these manures—published during the past year by the **New Jersey Agricultural Station**, the **Connecticut Agricultural Station**, and others—show these manures to be **fully maintained in standard**, and to be the **cheapest of all fertilizers** known in the market.

If the fertilizers be used in connection with stable manure, then reduce quantities one-half.

Irish Potatoes, Sweet Potatoes.—Use **The Mapes Potato Manure**; 3 bags per acre; price per bag (200 lbs.), \$5.10; per ton, \$51.00.

Asparagus.—Use **The Mapes Asparagus Manure**, for new beds, 5 to 6 bags per acre; renovating old beds, 3 to 5 bags per acre. Price per bag, \$5.20; per ton, \$52.00.

Cabbages (early and late), **Cauliflowers.**—Use **The Mapes Cabbage and Cauliflower Manure**; 3 to 5 bags per acre. Price per bag (200 lbs.), \$4.90; per ton, \$49.00.

Tomatoes, Radishes, Cucumbers, Beets, Carrots, Melons, Spinach, Early Spinach, Onions, Early Cabbages, Kale, Celery, Egg Plants, Lima Beans.—Use **The Mapes Complete Manure**, for light soils; 4 to 8 bags per acre. Price per bag, \$5.40; per ton, \$54.00.

Peas (green), **Turnips** (late), **Beans** (green), **Peanuts.**—Use **The Mapes "A" Brand**; 3 to 5 bags per acre. Price per bag, \$4.20; per ton, \$42.00.

Corn (early, sweet, and field), **Fodder Corn.**—Use **The Mapes Corn Manure**; 3 bags per acre. Price per bag, \$5.00; per ton, \$50.00. For use in hills take the "A" Brand.

Fruit Trees (bearing), **Grape Vines** (bearing).—Use **The Mapes Fruit and Vine Manure**; 1 bag to about 4,000 square feet. Price per bag, \$3.70; per ton, \$37.00.

Young Fruit Trees, Nursery Stock, Peach Trees.—Use **The Mapes Orange-Tree Manure**; 1 bag to about 4,000 square feet. Price per bag, \$4.20; per ton, \$42.00.

Tobacco.—Use **The Mapes Tobacco Manure** ("Connecticut Brand"); 3 to 10 bags per acre. Price per bag, \$5.40; per ton, \$54.00.

Grass (top dressing), **Grain Crops** (top dressing in Spring).—In early Spring use **The Mapes Grass and Grain Spring Top Dressing**; 1 to 3 bags per acre. Price per bag, \$5.20; per ton, \$52.00.

Lawns, Croquet Grounds, etc.—In early Spring use **The Mapes Lawn Top Dressing** (half strength); 2 to 4 bags per acre. Price per bag, \$3.50; per ton, \$35.00.

See pamphlet for Manures for Field Beets, Mangolds, Hops, Sugar Cane, Orange-Trees (for setting out young trees and bearing orchards), Fodder Corn, Strawberries (setting out beds and dressing old beds), Tobacco (fertilizer for use in connection with tobacco stems), also for fertilizers and chemicals adapted for preparing home-made manures and composts.

These Manures are sold by the ton or bag, delivered **free on board cars or boat** at New York at the above prices. Cash with order.

Each bag is plainly branded, and also has a tag attached, **giving analysis, directions for use**, etc.

Send postal for descriptive pamphlet.

PRICES OF PURE GROUND BONE, PREPARED GROUND FISH, PERUVIAN GUANO, CHEMICALS, ETC.

	Price per ton.	Per bag of 200 lbs.
Mapes's Pure Ground Bone (medium).....	\$38.00	\$3.80
Mapes's Pure Ground Bone (fine).....	40.00	4.00
Mapes's Pure Ground Bone, meal and extra fine	43.00	4.30
Mapes's Pure Fine (raw) Bone (dissolved)	42.00	4.20
Mapes's Dried Ground Fish (with phosphoric acid and potash added).....	42.00	4.20
No. 1 Peruvian Guano—Lobos (supply and price too uncertain to quote).....	..	..
No. 1 Peruvian Guano, guaranteed.....	60.00	..
German Potash Salts, Kainit.....	15.00	..
Muriate of Potash, 80%	42.00	..
Land Plaster, per barrel.....	..	1.25

POWELL'S PREPARED CHEMICALS.

For Composting—520 lbs. mixed at home makes a ton of good fertilizer (pamphlet describing sent on application). Per barrel, enough to make half ton of phosphate, \$6.00.

SPECIAL MANURES for HOUSE or GARDEN PLANTS.

By mail, 16c. per pound, extra.

Lawson's Phospho-Guano.—This article has been thoroughly tested in various localities in this country for several years past, and has given great satisfaction. It is particularly valuable for the Flower Border, and for city lots, and all other places where there is difficulty in obtaining stable manure. One lb., 30 cents; 2 lbs., 50 cents; 4 lbs., \$1.00; 7 lbs., \$1.50.

Standen's Gardener's and Amateur's Friend.—One of the richest fertilizing agents known: the volatile principles being chemically fixed, the compound is thereby rendered perfectly inodorous, and may, in consequence, be freely used in conservatory and parlor. Has been highly extolled as being the most valuable fertilizer for all kinds of greenhouse plants, having none of the injurious effects of guano when used in too large quantities. Canisters of 1½ lbs., 60 cents; 3½ lbs., \$1.00.

Carter's Fertilizer.—This is specially prepared for gardeners and amateurs; it possesses remarkably stimulating properties in superinducing a quick, healthy, and vigorous growth in whatever it is applied to in the way of greenhouse or garden plants. Per canister of 3 lbs., 75 cents.

Prepared Bone Flour.—This is one of the most useful of all fertilizers for Pot Plants, such as *Roses*, *Geraniums*, *Heliotropes*, *Salvias*, etc., etc., also may be used as top-dressing for all kinds of House Plants when planted out into the flower border during the Summer. In boxes of 2 lbs. each, 35 cents.

Peruvian Guano, in boxes, 25 and 50 cents.

Cocoa Fiber Refuse.—One of the most valuable materials for mixing with soil, for plants, either in beds or in pots, and a most excellent substitute for leaf mold or peat. Plants of all kinds thrive in it with the greatest luxuriance. 50 cents per peck; \$1.50 per bushel, in bags or bbls.

MOLE TRAPS.



The Isabel Mole Trap.—(See cut above.)—This is acknowledged by all who have given it a trial to be one of the best traps ever invented. When properly set it never allows the mole to escape, and no skill is required in setting it.

Nothing but a small wooden pin is visible in the track, which the mole is sure to run against, the slightest touch springing the trap, which never fails to catch and kill the mole. Price, \$2.00 each. If by mail, 60 cents extra.

Hale's Patent Mole Trap.—This is a light, neat, and durable trap, easier and safer to set than any other, in which a strong spring forms part of the mechanism. It also has the advantage of being free from any pin or obstruction, projecting into the run when set, and the construction of the trap is such that it will catch moles when quite deep in the ground. Price, \$2.50 each.

Edge's Mole Trap.—This is the neatest in construction, the simplest in operation, and the most durable of any mole trap ever offered to the public, and will catch fifty per cent. more moles than any other contrivance yet invented. Price, \$2.00 each.

Olmsted's Mole Trap.—In this we have a cheap, useful trap, operated either with or without springs. It is so simple in construction, and so safe to handle, that a child may set it with the same facility as a grown-up person. It combines all the good points of traps of similar make, and on account of price cannot fail to become popular. Price, \$1.50 each.

TROWBRIDGE'S GRAFTING WAX.

Put up in convenient rolls for use, of 1, ½, and ¼ pounds. This has been in use for a number of years, and is highly recommended. Price, 40 cents per lb.; ¼ lb. packages, 15 cents. By mail, 16 cents per lb. extra.

THERMOMETERS

Of various styles and finish, from 50 cents to \$5.00 each. Self-registering Thermometers, \$2.00 each. Dairy Thermometers, 75 cents to \$1.50 each, according to size. Storm-glass and Thermometer combined, a useful and ornamental weather indicator, 75 cents each; by mail, \$1.00.

AMERICAN FAMILY FRUIT-DRIER.

With the **American Fruit-Drier**, surplus fruit of every kind, and also that which from over-ripeness or inferior size or quality is unfit for marketing in the unprepared state, can all be converted into a marketable commodity, which, from its excellence, will command the highest price. Such fruit as is prepared by this means is now selling in this city at an average of fifty per cent. more than ordinary dried fruit.

Price, including stove, \$50.00. Descriptive Circulars sent to all applicants.

SMALL FRUITS.

STRAWBERRIES.

CULTIVATION.—Strawberries may be grown on any soil that will produce corn or potatoes. A light clay loam, well enriched with rotten barn-yard manure, is the most favorable soil for most varieties. Spring is the best season for planting. As soon as the plants are received from the nursery, open the package or box *at once*, and if possible plant the same day. If the ground is not ready, or for other causes the planting must be delayed, undo each bundle and head in the plants in a shady place, or cover with damp moss, and keep in a cool cellar until ready for planting. In the garden, plant in rows eighteen inches apart, and twelve inches in the rows; after every third row leave a space of two feet, instead of eighteen inches, for a path. In the field, for cultivation by horses, the rows should be three feet apart. After the beds are marked out, dig a hole for each plant, large enough to admit all the roots of the plant without crowding or bending them over. Then spread the roots in the hole and carefully sprinkle pulverized soil upon them, until the hole is half filled, and press the soil firmly around the roots; then fill up the hole to the crown of the plant, *but no more*, without pressing the soil again. If the ground is very dry, it is best to plant toward evening, and to water the plants well. To secure healthy plants, and a bountiful crop of fruit the year after planting, the plants should not be allowed to fruit the first season; the runners should be cut off before the tips take root, and the ground kept loose and free from weeds. When permanent cold weather sets in (in this latitude about the last week in November) the plants should be covered with straw, leaves, salt hay, or any other light material, to a depth of about two inches. This mulch is not removed until after the bearing of the plant. In the Spring, when the strawberry-leaves start, open with a pointed stick or the hand, the mulch over the crown of each plant. No other care is required before bearing. After the last picking the mulch is to be taken away altogether, and the beds cultivated as during the previous season. A strawberry bed managed in this way will last three or four years; therefore, in order to secure a full supply of fruit every season a new bed should be laid out every second year.

The varieties marked (P) are pistillate, and require to be fertilized by setting every fifth or sixth row with some strong growing and perfect flowering variety, such as Charles Downing, Sharpless, Bidwell, etc., etc.

N. B.—**Strawberry Plants**, at the dozen rate, will be mailed to any Post-office in the United States without extra charge. At the fifty or hundred rate if to be sent by mail, 50 cents additional must be remitted for each hundred plants.

NEW STRAWBERRIES.

The Manchester (P).—It is safe to assert that no Strawberry introduced within several years has received so many favorable comments from prominent fruit-growers and dealers, and that no other kind combines so many desirable qualities. For family use, as well as for market, it stands preëminent. It is a strong grower, does not rust, and is wonderfully productive, bearing uniformly large fruit, of a bright, glossy scarlet; in quality richer than any other productive variety, while for shipping it is unsurpassed.

Price, per dozen, 75 cents; per hundred, \$3.00.

Jersey Queen (P).—This is one of the best late Strawberries we know of, and is claimed by many to be the nearest approach to the ideal strawberry yet seen, at all events it is one of the very best berries in cultivation. It is very productive; the fruit being large, broadly conical, and of a fine shade of scarlet. The flesh is firm and melting, and is full of a rich, vinous juice, with a delicious aroma.

Per dozen, \$1.00; per hundred, \$4.00.

James Vick.—This introduction of last Fall is described as an unusually vigorous grower, with an abundance of heavy, dark green foliage. The fruit is of a bright scarlet color, uniformly large, and unequaled in productiveness. Not the least important feature is the fact that it stands on the vines a week after ripening, without becoming soft or rotting, or in any marked degree affecting its quality or luster, firm and of good form.

Per dozen, \$2.00; per hundred, \$10.00.

Primo.—This new and highly praised variety has been well tested for a number of years, and seems destined to take high rank in the list of strawberries. It is of large size, very prolific, hardy, and of the best quality. Season, medium to late. A Hudson River fruit-grower has grown it two years, and finds it hardy, prolific, a sure cropper, and of exquisite flavor.

Per dozen, \$1.00; per hundred, \$4.00.

Queens County.—In size the fruit of this variety may be classed as from medium to large; color, a bright crimson; flesh, firm and melting, and of extra fine flavor. It is very prolific, a robust grower, and quite hardy; and is, in fact, a most delicious variety for family or any other use.

Per dozen, 50 cents; per hundred, \$2.00.

Seneca Queen.—This promises to be one of the most prolific strawberries grown; and we have no hesitation in saying that it is unsurpassed by any of the older or newer sorts as an early market variety, or for home use. The plant is remarkably strong, a vigorous grower, and very productive; fruit of large size and very fine quality, remaining so to the last picking; very uniform, color dark red. A little soft for long shipment by rail, but firm enough for near-by market, or transportation by boat.

Per dozen, 50 cents; per hundred, \$2.00.

Warren.—This berry has proved, under ordinary culture, a strong grower, and very productive. The fruit is large, remarkably firm, and exceedingly sweet and rich. It is early, and cannot fail to rank among the best for home and market use.

Per dozen, 50 cents; per hundred, \$1.50.

STRAWBERRIES—*Cont'd.*

STANDARD VARIETIES.

EARLY VARIETIES.

	Doz.	Fifty.	Hund.	Thous.
Duchess. —The best early variety for general cultivation.....	\$0.50	\$0.75	\$1.00	\$6.00
Crescent (P). —Very prolific; succeeds on all soils.....	.50	.75	1.00	5.00
Duncan. —Very early; large; prolific; valuable for home use.....	.50	.75	1.00	5.00
Cinderella. —Very early; good medium size; bright glossy red.....	.50	.75	1.00	5.00
Crystal City. —The earliest of all.....	.50	.75	1.00	6.00
Pioneer. —Early; large; irregularly round; bright red; of excellent quality..	.50	.75	1.00	5.00

MEDIUM VARIETIES.

Chas. Downing. —Very prolific; best for general cultivation.....	.50	.75	1.00	5.00
Wilson. —The old standard, but is generally superseded by better varieties....	.50	.75	1.00	5.00
Black Defiance. —Very large and delicious; requiring good cultivation.....	.50	.75	1.00	6.00
Seth Boyden. —Very large, and of excellent flavor; desirable.....	.50	.75	1.00	6.00
Monarch of the West. —Very handsome, large, and excellent.....	.50	.75	1.00	5.00
Champion (P). —Large and very prolific.....	.50	.75	1.00	5.00
Cumberland Triumph. —Largest size; exceedingly handsome and luxuriant..	.50	.75	1.00	5.00
Bidwell. —Berries very large, bright glossy crimson, of very good quality; is a strong grower, healthy, and bears immense crops when fair cultivation is given; of enormous size and fair quality.....	.50	.75	1.00	6.00
Great American.	.50	.75	1.00	5.00
Hervey Davis. —Large; deep brilliant scarlet; very handsome; flesh white, firm, and of the best quality.....	.50	.75	1.00	6.00

LATE VARIETIES.

Sharpless. —A grand variety in every respect; monstrous in size; most berries of good shape, though some are compressed or coxcomb-shaped; flesh solid, sweet, rich, and juicy, and of a luscious flavor; plant hardy, very large, and vigorous.....	.50	.75	1.00	6.00
Miner's Prolific. —Berries large, globular, irregular, firm, deep crimson, glossy, of a rich aromatic flavor; ripens late, and holds out until very late..	.50	1.00	5.00	
Glendale. —Very late; large, conical, of bright scarlet color, very firm, and of good, sprightly flavor; the plant is entirely hardy, is a strong rampant grower, and very prolific.....	.50	1.00	5.00	
Golden Defiance (P). —A very strong growing, prolific, late variety; a most desirable sort for home use.....	.50	1.00	5.00	
Marvin. —Ripens very late, has generally proven satisfactory.....	.50	1.00	5.00	
Kentucky. —Very late and vigorous; best for light soil.....	.50	.75	1.00	5.00
Triomphe de Gand. —Fine flavor, does not do so well in many localities.....	.50	.75	1.00	5.00
Jucunda. —Good flavor, succeeds only on rich clay soil.....	.50	.75	1.00	5.00
Capt. Jack. —A great bearer.....	.50	.75	1.00	5.00
Pres't Wilder. —One of the best flavored.....	.50	.75	1.00	5.00
Longfellow. —An excellent new variety.....	.50	.75	1.00	5.00
Big Bob. —New; said to be large; very productive and of fine flavor.....	1.50	8.00	20.00	
Mt. Vernon. —An excellent late market variety.....	.50	.75	1.00	5.00
Lening's White. —The best white; flavor good; but very unproductive.....	.50	.75	1.00	6.00

POTTED STRAWBERRY PLANTS.

After the first of August we can furnish pot-grown plants of most of the above varieties, the new kinds excepted, at \$1.50 per fifty; \$2.50 per hundred. A special Price List of Potted Plants will be issued in season. Pot-grown plants cannot be sent by mail.

NEW BLACKBERRIES.

McCrackin.—This new berry is of medium size, and of the best flavor. It has no core like the Lawton or Kittatinny, ripens about one week before the Kittatinny; said to be more hardy and productive than the Snyder, and bears a crop every year. Price, 20 cents each; \$2.00 per doz.

Stayman's Early.—Claimed to be the earliest Blackberry known. Also that it is the hardiest and most productive. It does not sucker profusely, but is propagated from the tips. Price, \$1.00 each.

Stone's Hardy.—A new Blackberry from Wisconsin, claimed to be harder than the Snyder; plants vigorous and productive; berries of good size and excellent quality. Price, 25 cents each; \$2.00 per doz.

STANDARD VARIETIES.

	Doz.	Hund.	Thous.
Kittatinny. —The best for general cultivation.....	\$1.00	\$3.00	\$20.00
New Rochelle, or Lawton. —When well ripened, are very sweet and delicious....	1.00	3.00	20.00
Wilson's Early. —One of the most profitable for the market.....	1.00	3.00	20.00
Western Triumph. —Perfectly hardy; berries small, but of excellent flavor.....	1.00	3.00	20.00
Snyder. —The hardiest; very sweet and juicy.....	1.00	3.00	20.00
Early Harvest. —Very early; will be very profitable for market.....	1.00	3.00	20.00
Missouri Mammoth. —Very large.....	1.00	3.00	20.00

NEW RED RASPBERRIES.

Crimson Beauty.—A new red Raspberry from Kansas, claimed to be the hardiest, most productive, and earliest Raspberry yet offered. Price, 50 cents each; \$5.00 per dozen.

Reder.—A new red from Michigan; very early, productive, and perfectly healthy; berries of good size and flavor and remarkably firm; on account of its good shipping qualities it will be very desirable for market. Price, \$2.00 per dozen; \$10.00 per hundred.

Hansell.—A new red; probably the earliest of all, and therefore will be very profitable for market. Price, 35 cents each; \$3.00 per dozen; twenty-five for \$5.00; \$18.00 per hundred.

Superb.—A new, early, vigorous-growing variety; fruit bright crimson, large, of rich and spicy flavor; very productive. Price, 50 cents each; \$5.00 per dozen.

STANDARD VARIETIES.

RED FRUITED.

	<i>Doz.</i>	<i>Hund.</i>	<i>Thous.</i>
Belle de Fontenay , best Fall-bearing variety, large and sweet.....	1.00	\$4.00	\$30.00
Lost Rubies .—A new red Raspberry, claimed to be superior to Cuthbert.....	1.00	5.00	-----
Reliance , a seedling of Philadelphia, very similar, but more vigorous and fruit is larger.....	1.00	4.00	30.00
Cuthbert , large, good quality, hardy; best for family use.....	1.00	4.00	30.00
Brandywine , very fine, firm and hardy.....	1.00	4.00	30.00
Turner , much valued at the West; very early and hardy.....	1.00	4.00	30.00
Herstine .—A very large and prolific variety.....	1.00	4.00	30.00
Shaffer's Colossal .—Truly colossal in size of canes and fruit. The berries are of the largest size and excellent in quality. Color rather dark.....	1.00	5.00	-----

BLACK FRUITED.

Sonhegan , new, the earliest large Black Cap, 25c. each.....	2.00	10.00	
Doolittle , large, sweet, and juicy.....	1.00	4.00	30.00
Mammoth Cluster , medium.....	1.00	4.00	30.00
Gregg , very valuable, late.....	1.00	5.00	40.00

YELLOW FRUITED.

Brinkle's Orange , large; the richest-flavored Raspberry.....	2.00	10.00
Caroline , new, large, sweet, and hardy.....	2.00	10.00

NEW CURRANTS.

Black Champion.—This new Currant has been awarded a first-class certificate by the Royal Horticultural Society. Described as being of a luscious and delicate flavor; bunches long and berries of great size. Price, \$2.00 each.

FAY'S PROLIFIC, new red. Price, for 1 year, \$1.00 each; 2 years, \$1.50 each.

White Versailles.—As large as the Cherry; white, translucent; very sugary; said to be the best white, 50 cents each.

STANDARD VARIETIES.

	<i>Each.</i>	<i>Doz.</i>	<i>Hund.</i>	<i>Thous.</i>
Cherry , large, best for market.....	\$.20	\$1.00	\$6.00	\$50.00
Versailles , very large, best for table.....	.20	1.00	6.00	50.00
White Grape , very large; the best white.....	.20	1.00	6.00	50.00
Victoria , best <i>late</i> red.....	.20	1.00	6.00	50.00
Black Naples , valuable for jams and jellies.....	.20	1.00	6.00	50.00
LEE'S PROLIFIC , new black, an improvement on Black Naples. 30 cents each; \$1.50 per dozen.				
Two-year old bushes, of any variety.....	.30	1.50	9.00	
Three-year old bushes, of any variety.....	.40	2.00	12.00	

GOOSEBERRIES.

	<i>Each.</i>	<i>Doz.</i>	<i>Hund.</i>	<i>Thous.</i>
Houghton Seedling , very prolific, free from mildew.....	\$0.25	\$1.00	\$6.00	\$50.00
Two-year old bushes.....	.30	2.00	12.00	
Downing , pale green, very large, fine quality.....	.30	2.00	15.00	
Two-year old bushes.....	.50	3.00		
Smith's Improved	.30	2.00	15.00	

CRANBERRY PLANTS.

Mansfield Creeper.—A new upland variety, takes root freely; and the most desirable. Price, per 100, 60c.

Eaton Black Bell.—The earliest Cranberry. The berry is not large, but uniform in size, and prolific; desirable on account of earliness. Price, per 100, 75c.

1,000 plants, by mail, post-paid.....	\$4.00
5,000 " " " " " ".....	17.50
10,000 " (sufficient for an acre), by mail, post-paid.....	30.00
By express, at purchaser's expense.....	25.00

By express, at purchaser's expense.....	25.00
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Full directions for cultivation sent with each lot ordered; no plants sent C. O. D.

Raspberries, Blackberries, Currants, Gooseberries, and Grape-vines can be mailed for 25 cents per dozen, in addition to the price. When this amount is not remitted, a number of plants sufficient to cover the amount of postage is deducted from the order.

HARDY WHITE GRAPES.

NEW VARIETIES.

The Duchess.

It is our unqualified opinion that the Duchess is to-day the *Best Hardy White Grape* in existence. It is of a delicious flavor, and free from that sour, hard pulp so frequently met with. For size and showiness it does not equal the *Pocklington*, while in other points it doubtless surpasses it. 1 year old, 75 cents each; \$7.00 per dozen. 2 years old, \$1.00 each; \$10.00 per dozen.

Pocklington.

New and highly commended; a seedling of Concord; strong grower; healthy and hardy, never having been known to mildew or winter-kill. Bunch very large, compact; berries round, very large, light yellow, covered with a fine bloom, of as good or better quality than Concord, and ripens about the same time. Altogether a very showy and valuable sort. 1 year, \$1.00 each; 2 years, \$1.50 each.

The Prentiss.

Another popular white grape. Bunch large, compact; berry medium to large, yellowish green; skin thin, but firm; flesh tender, sweet, melting, and juicy; vine a good grower, hardy, and very productive; ripens with Concord. 1 year, 75 cents each; 2 years, \$1.00 each.

Ann Arbor.

A white seedling of the Concord, from Michigan, claimed to be perfectly hardy; vigorous and productive. Two weeks earlier than Concord. Berries very large and of good flavor. Price, 1 year, 75 cents each; 2 years, \$1.00.

Eldorado.

New white. A full sister of Lady Washington, and by some considered superior, being probably the higher flavored of the two, and more beautiful. Very early. Price, 1 year, \$1.00 each; 2 years, \$1.25 each.

Lady Washington.

New white. Bunches and berries very large, single bunches having been grown weighing two pounds; quality good. Price, 1 year, \$1.00 each; 2 years, \$1.25 each.

STANDARD VARIETIES.

	1 year.		2 years.	
	Each.	Doz.	Each.	Doz.
Elvira , greenish-white; skin very thin; pulp tender.....	\$0.35	\$3.00	.. \$0.50	\$4.00
Lady , light yellowish-green, early; berries large, sweet, and rich.....	.50	4.00	.. .75	6.00
Martha , greenish-white; very sweet.....	.35	3.00	.. .50	4.00

HARDY GRAPES.—GENERAL LIST.

	1 year.		2 years.	
	Each.	Doz.	Each.	Doz.
Agawam (Rogers's No. 15), maroon, bunches large, berries very large, aromatic.....	\$0.35	\$3.00	.. \$0.50	\$4.00
Brighton , red, bunches large and compact, superior quality.....	.50	4.00	.. .75	6.00
Catawba , red, old standard variety, excellent keeper.....	.35	3.00	.. .50	4.00
Concord , black, the hardiest and best grape for general cultivation.....	.25	2.00	.. .35	3.00
Delaware , red, compact bunch, berries small, very sweet and delicious.....	.35	3.00	.. .50	4.00
Diana , pale red, tender, sweet, with musky flavor.....	.35	3.00	.. .50	4.00
Early Dawn , black, very early.....	.60	6.00		..
Early Victor , black, very early, hardy and desirable.....	1.00	10.00		..
Gæthe (Rogers's No. 1), yellowish green, berries very large, of delicious aroma.....	.35	3.00	.. .50	4.00
Hartford Prolific , black, very early and prolific.....	.25	2.00	.. .35	3.00
Highland , New Black; very large and showy.....	1.00	..		..
Jefferson , light red, new and promising.....	1.00	10.00	.. 1.50	12.00
Lindley (Rogers's No. 9), red, tender, and of highly aromatic flavor.....	.35	3.00	.. .50	4.00
Merrimack (Rogers's No. 19), black, very vigorous, sweet.....	.35	3.00	.. .50	4.00
Moore's Early , black, very early.....	.50	5.00	.. .60	6.00
Salem (Rogers's No. 53), chestnut color, berry very large, quality best.....	.35	3.00	.. .50	4.00
Talman (Early Champion), black, one of the earliest.....	.35	3.00	.. .50	4.00
Telegraph , black, early, large, juicy and sweet.....	.35	3.00	.. .50	4.00
Vergennes , early red, very hardy, vigorous and healthy.....	1.00	..	.. 2.00	..
Wilder (Rogers's No. 4), dark purple, juicy, rich and sweet.....	.35	3.00	.. .50	4.00
Worden , black, similar to Concord, one week earlier.....	.35	3.00	.. .50	4.00
Wyoming Red , berries resemble Delaware in color and flavor, but are double the size.....	.75	..	.. 1.00	..

FOREIGN GRAPE VINES.

For Growing Under Glass.

From a very large list of tender Grapes we have selected only the very best varieties suitable for general use, as well as for forcing; the vines are of the best quality, with fine and strong canes, which are certain of giving satisfaction.

Twelve distinct varieties, suitable for a cold grapery.

Twelve distinct varieties, suitable for a hot grapery.

One year old vines.....	\$1.25 each.	\$10.00 per doz.
Two " " ".....	2.25 each.	20.00 per doz.

FRUIT AND ORNAMENTAL TREES.

Our customers may rely on being supplied with well-grown, strong, and healthy stock of all the leading sorts. Special care has been exercised to insure correctness of name, a fact of no small importance to fruit-growers. Our stock embraces many other varieties not enumerated on this page, but which we can supply. The actual cost of packing will be added to prices quoted below.

FRUIT TREES.

APPLES.

Price—Standards, 35c.; Dwarfs, 50c. each.

Baldwin,	Newtown Pippin (green),
Bough,	" (yellow),
Early Harvest,	Northern Spy,
Fall Pippin,	R. I. Greening,
Golden Russet,	Seek-No-Further,
King of Tompkins,	Spitzenberg,
Maiden's Blush,	Yellow Bellflower.

APRICOTS.

Price—50c. each.

Early Golden,	Peach,
Large Red,	Royal.

CHERRIES.

Price—Standard or Dwarf, 50c. each.

American Amber,	Early Whiteheart,
Belle d'Orleans,	Gov. Wood,
Bigarreau (Yel. Spanish),	Mayduke,
Black Tartarian,	Morello,
Coe's Transparent,	Ohio Beauty,
Early Richmond,	Reine Hortense.

CRAB APPLES.

Price—50c. each.

Large Red,	Large Yellow,
Hyslop,	Transcendent.

MULBERRIES.

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